

# Hamline University Catalogue

1905-1906

A. College of Liberal Arts  
Hamline, Minn.

B. College of Medicine  
Minneapolis, Minn.



**ANNUAL CATALOGUE**

OF

**Hamline University**

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**A. College of Liberal Arts**  
Hamline, Minn.

**B. College of Medicine**  
Minneapolis, Minn.

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**1905-1906**

## **Calendar of the College of Liberal Arts for 1906-1907**

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### **1906**

Sept. 12.—Wednesday. Fall Term begins.  
Sept. 12.—Wednesday. Entrance Examinations.  
Dec. 18-19.—Tuesday-Wednesday. Term Examinations.

### **VACATION OF TWO WEEKS.**

### **1907.**

Jan. 2.—Wednesday. Winter Term begins.  
Mar. 14-15.—Thursday-Friday. Term Examinations.  
Mar. 15.—Friday. Winter Term ends.  
Mar. 26.—Tuesday. Spring Term begins.  
May 20-21.—Monday-Tuesday. Senior Examinations.  
June 2.—Sunday. 10:30 a. m. Baccalaureate Sermon.  
June 3-4.—Monday-Tuesday. Term Examinations.  
June 4.—Tuesday, 2:30 p. m. Annual Meeting of the Board  
of Trustees.  
June 4.—Tuesday, 3 p. m. Address before the Historical Society.  
June 4.—Tuesday, 8 p. m. Class Day Exercises.  
June 5.—Wednesday. Alumni Day.  
June 5.—Wednesday, 2 p. m. Annual Commencement.

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1905/06 - 1907/08

## CORPORATION

### Trustees

TERM EXPIRES 1906.

\*BISHOP ISAAC W. JOYCE, D. D.,  
HON. M. G. NORTON,  
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TERM EXPIRES 1907.

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MINNEAPOLIS.

TERM EXPIRES 1908.

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ALEXANDRIA.  
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HAMLINE.  
MINNEAPOLIS.  
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\*Deceased.

## CONFERENCE VISITORS

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### Minnesota Conference

[Who are also ex-officio Trustees.]

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REV. W. H. EASTON, A. M.

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[Who are Executive Committee ex-officio.]

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S. S. THORPE, Esq., *Secretary.*

PROF. E. F. MEARKLE, LL. D., *Treasurer.*

A.  
College of Liberal Arts

## FACULTY

---

- REV. GEORGE H. BRIDGMAN, D. D., LL. D., PRESIDENT.  
*James J. Hill Professor of Ethics and Christian Evidences.*
- LOREN H. BATCHELDER, A. M., DEAN.  
*Carrie E. Widstrand Professor of Chemistry and Physics.*
- REV. GEORGE S. INNIS, PH. D., D. D.  
*Professor of History.*
- HENRY L. OSBORN, PH. D.,  
*Joseph Dean Professor of Biology and Geology.*
- WILLIAM E. THOMPSON, A. M.,  
*Matthew G. Norton, Jr. Professor of the Latin Language  
and Literature. Secretary of the Faculty.*
- ARTHUR Z. DREW, A. M.,  
*James McLaughlin Professor of Mathematics.*
- R. WATSON COOPER, A. B.,  
*Herbert H. Norton Professor of English Literature.*
- BERTHA BELL, M. A.,  
*Preceptress.*
- JAMES S. KING, A. B.,  
*James L. Norton Professor of Modern Languages.*
- WILLIAM J. KELLER, A. M.,  
*Professor of the Greek Language and Literature.*
- ERASTUS F. MEARKLE.  
*Rebecca M. Harrison Professor of Political and Social  
Science.*
- JOS. F. BARTON, A. M., SC. D.,  
*Instructor in Science.*

ELEANOR MILLER,  
*Elocution.*

D. F. COLVILLE,  
*Vocal Music.*

Z. G. HOLMES,  
*Instrumental Music.*

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ANNA M. DAVIS, PH. M.,  
*Librarian.*

ARTHUR Z. DREW, A. M.,  
*Registrar.*

J. W. HOLLISTER, A. B., LL. B.,  
*Director of Athletics.*

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PETER OLESON, PH. B.  
*Assistant in English.*

ROBERT GIVLER,  
*Assistant in English.*

MAUDE TAYLOR,  
*Assistant in English.*

MABEL G. FOSTER,  
*Assistant in Latin.*

HUGH MURTA,  
*Assistant in Chemical Laboratory.*

JOHN PAUL GIVLER.  
*Assistant in Biology.*

WESLEY C. BROWN,  
*Demonstrator in Zoology.*

GEORGE KOTTKE,  
*Demonstrator in Zoology.*

## COLLEGIATE DEPARTMENT

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### STUDENTS

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### POST GRADUATES

ANDERSON, LYDIA,	History,	<i>Alma City</i>
EDMUNDS, H. M.,	Education,	<i>St. Paul</i>
GIBERSON, WM.,	History,	<i>Hamline</i>
GRiffin, A. D.,	Political Science,	<i>Kasota</i>
HEAL, PEARL,	History,	<i>Hamline</i>
McCOMBS, VERNON,	History,	<i>Madison, N. J.</i>
MORSE, F. S.	History,	<i>Sacred Heart</i>
NESOM, GEORGE,	Education,	<i>St. Paul Park</i>
ORR, ELLEN ADAMS,	History,	<i>Hamline</i>
OLSEN, T. A.,	History,	<i>Boston, Mass.</i>
TEMPLE, STERLING,	Chemistry,	<i>Two Harbors, Minn.</i>
YOUNG, W. W.,	Political Science,	<i>New York City</i>

## SENIOR CLASS

BEALL, HOLLY M.,	Hamline
BELL, MAUDE,	New Richmond, Wis.
BERRY, NINA L.,	La Porte City, Ia.
BROWN, WESLEY C.,	St. Cloud
CHARITON, JOHN W.,	Cloquet
CONRAD, ELLA V.,	Ortonville
FOSTER, MABEL G.,	Union, Ia.
GILMORE, EPHRAIM,	Hamline
GIVLER, JOHN P.,	Redwood Falls
GIVLER, ROBERT C.,	Redwood Falls
GOODSELL, MABEL	Grand Meadow
GRALING, EVA B.,	Hamline
HOOVER, ARTHUR W.,	Hamline
HURD, A. W.,	Mineral Point, Wis.
KEAST, CHAS. P.,	Hamline
KING, MARY J	Caledonia
MURTA, HUGH,	Manitoba, Can.
PARISH, SAMUEL J.,	Pine City
SAMPSON, DELLA,	Excelsior
SCHOLBERG, HENRY C.,	Ortonville
SHEPHERD, MARY C.,	Hamline
SQUIRE F. HOWARD,	Hanley Falls
TART, MYRTLE,	Alexandria
TAYLOR, MAUDE,	Pipestone
WATSON, BESSIE,	Hamline
WILLING, MATTHEW,	Lakefield

**JUNIOR CLASS**

ALBERTSON, FAYE,	Huron, S. D.
ATKINS, RUTH E.,	Hamline
BRIERLEY, JESSIE B.,	Fargo, N. D.
BUTLER, COLVIN G.,	Hamline
HERBER, TRUMAN,	Hamline
HICKMAN, LAURA M.,	Bath, S. D.
JOHNSTON, FREDERICK J.,	Boisdevain, Man.
MANUEL, ARTHUR,	Canton
PACKARD, RICHARD,	Rolla, N. D.
PARISH, JOHN,	Pine City
ROBBINS, ALMIRA B.,	Stewartville
ROHDE, HENRY G.,	Spring Valley
SEAMER, MARY,	St. Paul Park
SIMONDS, CLINTON,	Waterville
SPENCER, VIOLA M.,	Wabasha
STORBERG, DAVID,	Hawley
WEED, CORA,	Hamline
WOOD, EFFIE M.,	Brownsville
WORMAN, ALVIN E.,	Hamline

## SOPHOMORE CLASS

ARCHERD, HAYS P.,	Mantorville
BILLING, OLIVER D.,	Cannon Falls
BOWMAN, JAY,	Hamline
BROWN, FRANK J.,	Hanley Falls
BRYAN, RUTH,	Hamline
BUSH, CARROLL,	Grand Meadow
CAMPBELL, MARGARET,	Winthrop
CONKEY, FRANCES,	Minneapolis
COOLEY, DAISY,	Otsego
COOLEY, MYRTICE,	Otsego
CRANDALL, ELBERT W.,	Bushnell, Ill.
DAVIDSON, HARRIE M.,	New Rockford, N. D.
DAVIS, ELSIE C.,	Glencoe
DREW, GEORGE N.	Hamline
GOFF, JOHN L.,	Drayton, N. D.
GOLD, RUTH,	Big Stone City, S. D.
GRALING, RECA	Hamline
GRAY, FANNY A.,	Paynesville
HALFPENNY, LILY,	Drayton, N. D.
HALVORSON, CORA,	Dawson
HANSON, ADA G.,	Anoka
JOHNSON, CARL M.,	Hamline
JOHNSON, MERRILL,	Goodhue
KIDDER, CHAS. S.,	Marshall
KOCH, SUMNER L.,	Motley
KOTTKE, GEORGE,	Renville
KUNTZ, ADA B.,	Owatonna
NELSON, LAWRENCE O.,	Canby
RANDALL, FRANK,	Hamline
RICHARDSON, ANNA B.,	Drayton, N. D.
ROBINSON, HOWARD,	Redwood Falls
ROSSMAN, HAROLD,	Hamline
SHANNON, PAUL E.,	Buffalo
SMAIL, BESSIE,	Webster, S. D.

## FRESHMAN CLASS

ADDISON, STANLEY H.,	Marshall
ALEXANDER, LEE O.,	Lynd
ALLARD, INA E.,	Spring Valley
ANDERSON, CORA B.,	Redwood Falls
ANDERSON, RUSSELL A.,	Grantsburg, Wis.
ANDERSON, WESLEY G.,	Hamline
ARNY, SARAH,	Newport
ARTHUR, IRENE G.,	Webster, S. D.
ARTIG, FRANK V.,	Lindstrom
AYARS, HAZEL,	Janesville
BAKER, MYRTLE E.,	Neche, N. D.
BEACH, LIANDA E.,	Mount Iron
BEARDSLEY, EDITH,	Hibbing
BEERS, CHARLOTTE,	Fergus Falls
BORNE, MARY,	Fergus Falls
BOWMAN, ANGIE M.,	Hamline
BREWSTER, HELEN,	Stewartville
BROWN, HERBERT H.,	Rochester
CAMPBELL, IDA C.,	Hamline
CAPSTON, PHILANA,	St. Thomas, N. D.
CLEMANS, PEARL E.,	Duluth
CONSTANCE, JENNIE,	Cumberland, Wis.
CONSTANCE, MARGARET,	Cumberland, Wis.
ECKENBECK, W. RAY,	Appleton
ELY, EDITH V.,	Hamline
EPTON, EFFIE M.,	Rolla, N. D.
FEATHERSTONE, LUCY K.,	Red Wing
FREDERICKSON, CLARA G.,	Lakefield
GARRISON, ARTHUR O.,	Hamline
GIBERSON, JOHN,	Medford
GOFF, LOTTIE,	Drayton, N. D.
GOVE, MATTIE,	Windom
GUNDERSON, HENRIETTA,	Kenyon
HALEY, EDNA,	Le Sueur
HALVORSON, OLGA,	Dawson
HAYNES, JESSIE M.,	Red Wing
HAZLETON, ELLEN,	Eyota
HEILMAN, EMMA H.,	Marshall

HEINS, WARREN H.,	Olivia
HESKETH, FRANK C.,	Rola, N. D.
HILL, DAISY M.,	St. James
HILLMAN, C. KIRK,	Merriam Park
HOLLAND, JEREMIAH,	Randolph, Wis.
HONEY, ADA,	Park River, N. D.
HULL, ELSIE,	White Bear
HUNT, MARION E.,	Mankato
IRISH, GENEVIEVE,	Detroit
JEFFERS, MYRTLE,	Windom
JOHNSON, JOSEPHINE,	Rush City
JUZA, FRANK,	Haugen, Wis.
KOHLMEYER, ROYAL,	Blue Earth
KRATKY, ARCHIE W.,	West Concord
LAMBERT, BLAINE,	Fergus Falls
LEE, GERTRUDE,	Rush City
LUEBEN, ELIZABETH,	Le Sueur Centre
LYON, MYRON B.,	Hutchinson
MCLAIRD, JUNE,	Chatfield
MICHELSON, ANNA,	Luverne
MINNICK, FRANK W.,	Cuba, Ind.
MOORE, DANIEL W.,	Portland, Ore.
MOORE, HENRY G.,	Big Stone City, S. D.
MOREHOUSE, JAMES W.,	Kasson
MORGAN, EDWARD J.,	Olivia
MURPHY, WALTER;	Lake City
NEWTON, FRED A.,	Drayton, N. D.
NOLTIMIER, WARREN,	Hamline
NORTON, ALLAN P.	Mantorville
OLIVER, GUY E.,	Hamline
PAGE, CLARENCE P.	Hamline
PAGE, F. GENO,	Hamline
PALMER, CLAUDE E.,	Marshall
PELTON, ALVIN,	Lyons, Ia.
PORTER, LAVINA,	Langdon, N. D.
RADSLIFF, DAVID,	Langdon, N. D.
RALSTON, BASIL,	Crystal, N. D.
RASEY, WILL H.,	St. James
REDDING, SIBYL G.,	Hamline
RICHARDSON, FANNY,	Faribault

RIDEOUT, CHAS. E.,	Elk River
ROBINSON, WM. Z.,	Lakefield
ROESON, MINNIE, M.,	Red Wing
ROUNDS, JOHN L.,	Hamline
SAXE, VERA M.,	Plainview
SCHAEFER, ESTHER B.,	Ely
SCHMOLL, LOUIS V.,	Arlington
SMITH, CORA,	Fulda
SQUIRE, J. PINKERTON,	Groton, S. D.
STARK, JOSEPHINE,	Harris
STEVENS, MAUD I.,	Appleton
STOUT, FRANCES,	St. Paul
STRATTON, BEULAH,	Windom
SUNDBERG, HOWARD,	Akeley
SYLVESTER, NETTIE H.,	Plainview
TEACHOUT, E. L.,	Lake Crystal
TURNER, LEONARD S.,	Chatfield
UHL, LUCY L.,	St. Paul
UMPLEBY, E. R.,	Hult, N. D.
VICKERY, MYRA L.,	Mora
WATERS, HAZEL BELL,	Fergus Falls
WATERS, OPHELIA M.,	Fergus Falls
WELLS, ARDELLE,	Austin
WILLMERT, SADIE,	Blue Earth
WILSEY, MYRTA,	Chatfield
WILSON, CLYDE E.,	Blue Earth
WILSON, FANNIE,	Mill Town, Wis.
WOLF, WILL F.,	Windom
YOUNG, ELSIE,	Aitkin
YOUNG, SAMUEL D.,	Pipestone

## SPECIAL STUDENTS (a)

BRIDGMAN, DOROTHY,	Hamline
BUFFUM, CLYDE C.,	Oakland, Cal.
CAMPBELL, BRUCE R.,	Hatfield
CROZIER, HAROLD B.,	Minneapolis
DAVIS, MAUDE,	Elk River
DODDS, JESSE,	Crookston

DUNN, GEORGE R.,	Princeton
DUNN, GRACE,	Princeton
ELLERY, CHAS. G.,	St. Thomas, N. D.
FINNEY, JOHN M.,	Hamline
FOWBLE, LOUISE,	Hamline
HAINES, EARL S.,	Halloway
HAYES, J. ALLISON,	Hamline
HAYNES, CHAS. E.,	Eden Prairie
HOLLIDAY, WALTER B.,	Clear Lake, Wis.
JASSOY, CARMEN,	Stillwater
JENSON, JOHN,	Hamline
KOELSCH, ALBERT,	Rochester
KOELSCH, ARTHUR,	Rochester
KOTTKE, JOHN F.,	Renville
KULL, ALFRED,	Sacred Heart
LEAVITT, FAYETTE F.,	Lake Crystal
LEAVITT, HARVEY P.,	Lake Crystal
LOVE, GEORGE,	Preston
MACKIN, SAMUEL,	Boardman, Wis.
McCOMBS, WILBUR,	Hewitt
MEACHAM, ROLLA,	Edgerton
NELSON, IDA,	Dawson
NICKERSON, MARK,	Hamline
NORDBERG, REUBEN,	Minneapolis
OLSON, CLARA,	Cando, N. D.
PALMER, PHEBE,	Minneapolis
PETERSON, ESTHER,	Pillager
PILLING, ROY N.,	Edgerton
REED, EDITH M.,	Slayton
REED, THOMAS E.,	Evansville, Ind.
RYAN, CHAS.,	St. Paul
SCHEI, LAWRENCE B.,	Minneapolis
SCHUMACHER, JOHN P.,	Redwood Falls
SIVRIGHT, D. CAL.,	Hutchinson
THOMPSON, IRVING E.,	Los Gates, Cal.
WALTZ, IRENE,	Stillwater

## SPECIAL STUDENTS (b)

BOWERS, ETHEL,	Redwood Falls
COOL, BESSIE,	Minneapolis
DAVIS, JANE E.,	Boardman, Wis.
DIETER, QUEEN,	Minneapolis
GRALING, FLORENCE,	Hamline
HENRY, ETHELYN,	Janesville
LEAVITT, MADELINE,	Minneapolis
MACKEAN, LILLIAN,	Hamline
McCAULEY, DAVID E.,	Joilette, N. D.
MORRISON, NETTIE M.,	Hamline
OLESEN, MRS. A. D.,	Hamline
SCOTT, EDITH H.,	Minneapolis
WELLS, BESSIE,	Herman

## THE CURRICULUM OF THE COLLEGE OF LIBERAL ARTS

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- Two courses each leading to the baccalaureate degree are given in the college of Liberal Arts: (a) The Bachelor of Arts Course extending through four years includes courses in the ancient languages as entrance requirements and also during a portion of the college course.
- (b) The Bachelor of Philosophy Course offers ancient languages as elective, but the student may elect, instead, courses in German, French, or the Sciences.

## REQUIREMENTS FOR ADMISSION

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1. Students who have completed the four years course in the Preparatory Department of this institution are admitted to the freshman class.
2. Students who present a certificate of graduation from an accredited high school, having a four years course, will be admitted to the freshman class as candidates for the appropriate degree.
3. Students presenting evidence of having completed one year or more of high school work will be assigned to the appropriate class in the preparatory department and on completing their preparatory course will be admitted to the freshman class.
4. Students coming from a reputable college or university with a certificate of honorable dismissal will be received into the same grade as they held in the school from which they come.
5. Students who have completed the "Advanced Graduate Course" at a Minnesota State Normal School will be given one year's credit in college work.

### Required Studies

In the Freshman year the candidates for the degree of Bachelor of Arts are required to take Latin, Greek, Mathematics, Bible Study and Rhetoricals. Candidates for the degree of Bachelor of Philosophy are required to take Mathematics, Rhetoric, Bible Study and Rhetoricals; and either Latin, German or French, and either Zoology or History.

In the Sophomore year candidates for both degrees must take Bible Study and Rhetoricals and either German or French and one science, Physics, Chemistry or Biology. They must also elect other subjects sufficient to make sixteen hours' work per week.

In the Junior and Senior years students must take Bible Study and Rhetoricals. The other subjects are elective.

Sixteen hours' work per week are required of all classes, except in the second and third terms of the Senior year, in which fifteen hours per week are required. One hundred ninety hours of term work are required for graduation, three of these being credited for the Senior thesis.

In addition to Bible Study and Rhetoricals, no student will be allowed to take more than sixteen or less than twelve hours per week without the permission of the registration committee.

### **Special Students**

Persons desiring to take a partial course will be permitted to select their studies so far as they may be able to recite with regular classes, but new ones will not be formed for their accommodation. They must furnish satisfactory evidence of their ability to pursue profitably the studies they propose to take up before they can be admitted to any of the classes. Under these restrictions every encouragement will be given to those who are not able to take a full course. Special students taking ten hours a week of college work, must register for Rhetoricals and Bible Study.

**Record and Examination**

Written examinations are held at the close of each term, and also at irregular intervals during the term. The student's record in any study is made up by a careful estimate of both his daily recitations and his examinations. No examination will be given in any subject before the time set for the regular class examination. Conditions must be removed within one year, or no credit will be given for the work done.

**Registration—Deficient Work**

When a student has entered upon his College Course, he shall then and thereafter first register for the study or studies of the corresponding terms of previous years in which he may have been deficient. He shall not register for any subject to the exclusion of a preceding one which he has not completed and which is pursued in the term for which he registers.

In all cases prescribed courses must take precedence over elective courses.

**Senior Theses**

Each Senior before graduation is required to present an approved thesis of at least 3,000 words. The subject and matured scheme of said thesis shall be presented to the Standing Committee on Theses Thanksgiving week, and the completed thesis shall be presented by the opening of the spring term.

### Degrees

The degree of Bachelor of Arts is conferred on those who complete the Classical Course.

The degree of Bachelor of Philosophy is conferred on those who complete the College Course, but do not take Greek.

A diploma fee of \$5.00 is collected of each student at graduation.

Any person who graduates must be in attendance at least during the Senior year.

### Master's Degrees

The Master's degree will be conferred only upon the following conditions:

1st. The candidate must have a Baccalaureate degree from this University, or from one having an equivalent curriculum.

2d. He must have completed a thorough course of graduate study, not professional, approved by the Faculty, sufficient in amount, to be a fair equivalent for a fifth year of college work.

3d. By continuous residence, the candidate may receive the degree one year after graduation. In case of partial or complete non-residence, at least two years of study will be required.

4th. On registration as a candidate, a fee of \$5.00 will be required, and before the degree is conferred an additional fee of \$5.00 will be charged.

## COURSES OF INSTRUCTION IN EACH DEPARTMENT

### Latin

Profes. or Thompson

COURSE A.—*Livy*, Books I and XXI, four times a week for the fall and winter terms; to illustrate the early legendary history of Rome and the most thrilling incidents of the Second Punic war. Elective for Freshmen.

COURSE B.—*Horace*, four times a week for the spring term. A reading of the Odes and a few of the Satires, particular attention being paid to the study of the various metres and the rhythmical reading of odes. Elective for Freshmen.

COURSE C.—I. *Terence*, five times a fortnight for the fall term, to illustrate the earlier stage of the language and the Roman comedy. Elective for Sophomores.

II. *Cicero*, five times a fortnight during the winter term. The philosophical writings are read and discussed, *De Amicitia* as a basis. Elective for Sophomores.

III. *Horace*, five times a fortnight during the spring term; the *De Arte Poetica* is read and analyzed with reference to rhetorical criticism. Elective for Sophomores, Juniors and Seniors.

These authors are subject to change; Plautus, Pliny, Quintilian, Juvenal, Lucretius and Tacitus may be substituted.

COURSE D.—In the fall, winter and spring terms of Junior and Senior year a special course in methods

of Classical Study and Teaching will be offered for those intending to teach preparatory Latin after graduation. Open to those who have taken courses A, B and C. This course will be given in alternate years, commencing with 1902-1903.

COURSE E.—Supplementary work.

An opportunity will be offered to any who desire to do extra work in Latin translation or to make studies of ancient life and customs, or to prosecute philological researches. If there is sufficient encouragement a Latin Seminary will be organized to meet once a week for the special study of a chosen author or period, and lectures will be delivered and papers presented on the topics to be discussed, open to those who have taken courses A, B and C.

All the instruction in the Latin department will have frequent reference to Roman archæology, history and geography, and attention will be called to the latest results attained in classical philology. Constant effort will be made to render the course practical and progressive, especial attention being called to the fact that the Roman language still lives in our speech and the Roman jurisprudence in our laws.

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## Greek

**Professor Keller**

COURSE AA.—I and II. White's First Greek Book.

III Xenophon, Anabasis, Book I; Prose Composition. Five hours.

COURSE AB. I and II. Xenophon, Anabasis, Books II-IV, Prose Composition.

III. Homer, Iliad, Books I-III. Five hours.

COURSE A.—I Lysias, Select Orations.

II. Xenophon, Memorabilia.

III. Homer, Odyssey. Five hours.

In the *fall* and *winter* terms composition based on part of the work will be given, with a view to imparting familiarity with the idioms and style of Attic Prose. Topics and discussions throughout the year. Required for the A. B. degree.

COURSE B.—Plato, Apology; Sophocles, Antigone; Demosthenes, De Corona, or New Testament. Elective for Sophomores. Three hours a week.

COURSE C.—An elective two hours a week is provided for Juniors or Seniors.

Courses AA and AB are designed for students who enter college without Greek.

The chief aim in the study of Greek is to become familiar with the great literature of Greece and thus to come in touch with the classical age. But the disciplinary value of the study of the language is by no means ignored, for to appreciate the literature, one must have a thorough knowledge of the rudiments of the language, and it is here that the student receives mental discipline. Familiarity with the literature implies familiarity also with the history, mythology, art and life of ancient Greece.

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## Germanic Language and Literature

Professor King

GERMAN A.—*Beginning German.* The aim is to lay a thorough foundation for future study in German. The work covers part I of Joynes-Meissner's German

Grammar and the whole of Hewett's German Reader. Special attention is given to conversation based on each lesson, and to the reading and memorizing of short poems. Daily work in composition throughout the year. An effort is made to get the student thoroughly initiated into the spirit and idiom of the languages. Four hours a week throughout the year. Course A in either French or German is required.

GERMAN B.—*Intermediate German.* A course in the German classical drama. The aim being to introduce the student to some of the best productions of that notable period. The works read include Lessing's, Emilia Galotti and Minna von Barnhelm, Goethe's Hermann and Dorothea; and Schiller's Wilhelm Tell and Maria Stuart, Hatfield's Lyrics and ballads is read entire. Daily practice in conversation and frequent discussions of authors and literary topics. During the winter term one month is devoted to composition work, based on either Hillern's Höher als die Kirche or Baumbach's Der Schwiegersohn. Four hours a week throughout the year.

GERMAN C.—*The Novel and Short Story.* The purpose of this course, aside from the enjoyment of the high literary values of the works read and the pictures of life presented in this form of literature, is to acquire speed and accuracy in translating German and in so far as possible to eliminate the obstacles presented by a foreign tongue. Much time will be given to conversation and translation into the German idiom. This work will open the way to a keener and more intelligent appreciation of Courses D and E. The authors taken up will include Stifter, Ludwig, Freytag, Storm, Keller, Heyse, Wildenbruch, Sudermann

and Frenssen. This course is three hours a week throughout the year. It is open to those who have completed Courses A and B or have had three years' secondary work in German.

GERMAN D.—*A Course in the Life and Works of Goethe and Schiller.* This course will take up for exhaustive treatment six or seven of the best works of each of these authors and in connection with that will make a careful study of their lives and the history and spirit of their time. Papers, sketches and discussions will be required. An inquiry will be made into the art and technique of the drama of this period. Two hours a week throughout the year. Open to those who have completed A, B and C.

GERMAN E.—*The Modern German Drama.* This course aims to present a general outline of German life in the nineteenth century exclusive of the classical works of Goethe and Schiller, which belong more properly to the study of the preceding century. Points of difference will be noted between this period and the one immediately preceding. Among the authors studied are Heinrich von Kleist, Grillparzer, Wildenbruch, Sudermann and Hauptmann. Two hours a week throughout the year. Courses D and E are alternate courses. Course E will be given in 1906-'07.

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## French Language and Literature

Professor King

COURSE A.—*Beginning French.* The effort in this course is to lay a firm and sure foundation for the future study of French. It is thought that the language is best learned by an intermingling of grammar, translation, composition and conversation. This is done.

Much care is given to irregular verbs and the study of idioms. The work may be outlined as follows

I. Fall term: Grammar, Fraser and Squair, Part I. Irregular verbs, daily drill in translation, composition and conversation. Whitney's French Reader.

II. Winter term: Composition and conversation based on La Dernière Classe and Le Siège de Berlin, Mérimée's Colomba and Halévy's L'Abbé Constantin are read.

III. Spring term: Reading and conversation. Study of idioms continued. The works read include Dumas' Swiss Travel, Mon Oncle et Mon Curé, Verne's Les Forceurs de Blocus, and comedies, such as Le Barbier de Seville, Le Voyage de M. Perrichon and La Grammaire. This course meets four times a week throughout the year.

#### COURSE B.—*A General Course in French Literature.*

The aim is to introduce the student to the best authors and a few of their works. This course begins with the Augustan Age of Louis XIV and extends to present times. A careful study is made of each author and of the history and life of his time. Attention is given to changes, growth and development in French Literature. The work may be presented as follows:

I. Fall term: Corneille's Le Cid and Cinna; Racine's Esther and Athalie.

II. Winter term: Molière's Le Misanthrope and Le Bourgeois Gentilhomme; Hugo's Hernani and Cromwell.

III. Spring term: Rostands' L'Aiglon and Cyrano de Bergerac; Musset's On ne badine pas avec l'Amour; Maupassant's short stories. Lyric poems. This course meets two hours a week throughout the year.

## English

Professor Cooper.

### Rhetoric and Theme Writing

COURSE A.—*Freshman Rhetoric.* Study of the principles of English prose style. The work is based upon Baldwin's Rhetoric and Brenerleo's studies in structure and style. Selected Essays of Addison, Johnson, Macaulay, DeQuincey, Carlyle, Arnold, and Ruskin are studied to illustrate the principles enunciated. Twice a week throughout the year. Required of all Latin Scientific Freshmen. Elective for *Classical Sophomores.*

COURSE B.—*Freshmen Theme-Writing.* All Freshmen meet once a week for instruction in writing of themes and the criticism of themes written. Frequent daily paragraphs and weekly themes are required. In the fall term emphasis is thrown upon the making of effective and artistic paragraphs of all kinds; in the winter term upon expository paragraphs and whole compositions; in the spring term upon critical themes or orations.

COURSE C.—*The English Essay: Its History, Form and Style.* Representative essays from Addison, Steele, Goldsmith, and Stevenson, and the essays entire of Bacon and Lamb are studied in class. Frequent practical exercises. Once a week throughout the year.

COURSE D.—*Debate.* A course in the study and practice of Argumentation. Several noted arguments are analyzed by the class, briefs are studied and made, and extempore debates are given by appointed dis-

putants. Carefully written arguments are also required. Once a week throughout the year.

COURSE E.—*Narration and Description.* A course in the study and practice of the principles of narrative and descriptive writing. For illustration of the principles, the class will read the short stories of Hawthorne, Irving and Poe, and will analyze several of the most famous novels of the nineteenth century. Once a week throughout the year.

COURSE F.—*Orations and Speeches.* The work in this course includes the study of the theory of oratory, the analysis of selected American orations, and the making of orations and speeches. Special attention is given to the style of the orations of Webster and of the speeches of Lincoln. Once a week throughout the year.

Courses E and F are omitted in 1906-1907. All Juniors and Sophomores are required to take either C or D.

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## English Literature

COURSE A.—*Outline History and Rapid-Reading Course.* Winchester's Principles of Literary Criticism and either Pancoast's Introduction or Stopford Brook's Primer serve as guides. The text-books are supplemented by lectures upon the historical significance of the authors treated and selections read. The object of the course is to give a clear understanding of the nature of literature and of literary criticism, a knowledge of literary types, and an intelligent appreciation of the best that has been done in English from Chaucer to the present time.

The selected works examined may be grouped as follows:

*Fall Term*.—Chaucer's Prologue, Nonne Preestes Tale, Knightes Tale; Spenser's Faery Queene, Book I; Palgrave's Golden Treasury, Books I and II; Dryden's Palamon and Arcite.

*Winter Term*.—Shakespeare's As You Like It and Macbeth; Milton's Pradise Lost, Books I-VI, Comus, Lycidas, etc.; Dryden's Hind and Panther, and Absalom and Achitophel.

*Spring Term*.—Golden Treasury, Books III and IV; Pope's Rape of the Lock and Essay on Man; Goldsmith's Desereted Village and Traveler; Cowper's Task; Coleridge's Ancient Mariner; Keat's Eve of St. Agnes; Scott's Marmion.

Course A is elective for Sophomores. Four times a week throughout the year.

COURSE B.—*English Literature, 1750-1830*. The history of the revival and growth of English Romanticism and its connection with the French Revolution are traced in lectures by the instructor. The students are required to read and thoroughly examine the bulk of Wordsworth, Scott, and Byron, and essentially all the poetry of Coleridge, Shelley, and Keats. The fall term is given to Wordsworth and Coleridge, the winter term to Shelley and Keats, and the spring term to Byron and Scott. Four times a week throughout the year. Open to Juniors and Seniors who have taken Course A.

COURSE C.—*Shakespeare*. A critical analysis of Shakespeare's poetic and dramatic art as represented in his poems, his sonnets, and in fifteen of his greatest dramas, with collateral readings in other Elizabethan dramatists. The work may be outlined as follows:

*Fall Term.*—Midsummer Night's Dream, Romeo and Juliet, Richard III, Henry IV, Henry V, Merchant of Venice. Collateral Readings: Comedy of Errors, Jew of Malta, Merry Wives of Windsor.

*Winter Term.*—Much Ado About Nothing, Hamlet, Lear, Othello, Julius Cæsar. Collateral Readings: Twelfth Night, Jonson's Alchemist, Beaumont and Fletcher's Philaster.

*Spring Term.*—Antony and Cleopatra, Tempest, Winter's Tale, Sonnets' Venus and Adonis. Collateral Readings: Rape of Lucrece, Ford's Broken Heart; Webster's Duchess of Malfi. Elective for Juniors and Seniors who have taken Course A.

(This course will be omitted 1906-1907.)

COURSE D.—*Victorian Literature.* A critical study of the individual writers of the Victorian age. The readings for this course are done outside of the class-room by general and special assignment. The class-room work consists of reports, discussions and lectures. The course requires two successive years' work, and is divided as follows:

Part I. Victorian Prose Masters: Carlyle, Newman, Ruskin, Arnold, with illustrations from Thackeray, Eliot and Meredith.

Part II. Victorian Poetry: Tennyson, Arnold, Clough, Browning, the Rosetti's, with illustrations from Morris and Swinburne.

Part I will be given in 1906-1907. Twice a week. Open only to those who have had Course A and either Course B or Course C.

BIBLICAL LITERATURE.—The Bible work for the Junior year is assigned to this department. The work for the year 1906-1907 will be a literary interpretation of Job,

of Isaiah, and of Revelation. The class-room work consists chiefly of lectures interpreting the books read.

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## Mental and Moral Philosophy

COURSE A.—*Psychology*, four times a week through Fall term. This is a general elementary course of study of the outlines of the science. It is based upon textbook and recitation methods, but the data and methods of the “New Psychology” are constantly referred to, and, to some extent, experimental methods are employed. Optional for Seniors.

COURSE B.—*Moral Science*, four times a week during Winter term. Optional for Seniors.

COURSE C.—*Natural Theology*, twice a week through Spring term. Optional for Seniors.

COURSE D.—*Evidences of Christianity*, three times a week through Spring term. Optional for Seniors.

COURSE E.—*Logic*, three times a week through Spring term. Optional for Juniors and Seniors.

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## English Bible

*Bible Study.* Once a week throughout the course each college class, except Seniors in Winter or Spring terms devotes a recitation to Bible study. It is intended during the four years to take up each of the four great divisions of the Bible—the historical and prophetical books, the gospels and the epistles. It is sought to make this study instructive and practical, leading to a better understanding of the scriptures and a higher development of the life.

## History

Professor Innis

COURSE A.—*English History*. The political history of England; the development of the English people; the origin of their institutions; the growth of constitutional principles; the economic and social conditions of each epoch; the relations with the Continent; colonial expansion and the present British Empire. *First half year.*

Text—Terry's History of England. Readings in standard histories and biographies and in select documents.

COURSE B.—*American History*. The political history of the United States; the origin and development of American institutions; the political, economic and social forces in each epoch; the colonial forms of government, development under the Constitution; the question of slavery; the expansion of the West; later national questions. *Second half year.*

Text—Elson's History of the United States. Readings in standard histories and biographies and in select documents.

Courses A and B are four days a week; elective for Freshmen. Recitations, lectures and reports on assigned topics. Frequent quizzes.

COURSE C.—*Grecian History*. A general study of Grecian History; the development of the institutions and social life of the people; their art, literature and philosophy; the chief public men; the conflict with the East; Alexander's conquest; the comparison of the spirit and civilization of the Greeks with those of the Orient and of Rome. *First half year.*

Text—Oman's History of Greece. Readings in works on Grecian History and civilization, and biographies.

COURSE D.—*Roman History*. A general study of Roman History. The development of the institutions and principles of government and of the economic and social life; the struggle of the Plebeians for political rights; the conquests and influence of Rome; the decay of the Republic and the founding of the Empire; the colonies and provinces; a comparison of Roman institutions and civilization with those of Greece, England and America. Second half year.

Text—Seignobos' History of Rome. Readings in works on Roman history and institutions and in biographies.

Courses C and D are four days a week; elective for Sophomores. Recitations, lectures, discussions, frequent themes and quizzes.

COURSE E.—*Mediaeval History*, 476 to 1300 A. D. General survey of Mediaeval History; the invasion of the barbarians; the development and influence of the Church; the Papacy and the Empire; Feudalism; the Crusades; the origin of institutions; commercial, industrial and social progress; mediaeval civilization. First half year.

Authorities—Periods I and II in European History, Emerton's Middle Ages, Robinson's History of Western Europe, Barry's Papal Empire, and select documents.

COURSE F.—*The Renaissance and Reformation*, 1300 to 1600 A. D. The transition from Mediaeval to Modern History; a general survey of political and social movements; the revival of learning in Italy; its re-

ligious character north of the Alps; the Reformation; the conflict between Catholicism and Protestantism; the religious wars; the larger world opened by discoveries and inventions. Second half year.

Authorities—Periods III and IV in European History, Cambridge Modern History; Symond's works, biographies, select documents.

COURSE G.—*European History*, 1600 to 1789 A. D. The Thirty Years War; the Age of Louis XIV; the aggression of France; the rise of Russia and Prussia; Frederic the Great; colonial enterprise; the Old Regime; social and political conditions; the eve of the French Revolution. First half year.

Authorities—Periods V and VI in European History, Gindely's Thirty Years War, Lowell's Eve of the French Revolution, and biographies.

COURSE H.—*European History*, 1789 to 1900 A. D. The French Revolution; the work of Napoleon; the Reaction in Europe; later revolutions; the liberation and unification of Italy and Germany; the reconstruction of Europe; the two Eastern questions; present relations of the great powers. Second half year.

Authorities—Periods VII and VIII in European history, Andrews' Historical Development of Modern Europe, Fyffe's Modern Europe, and biographies.

Courses E and F and Courses G and H will be offered as alternates. Courses E and F will be offered in 1906-7. Elective for Juniors and Seniors. Lectures, discussions and reports on subjects given for special investigation by the students. Three days a week.

## Education

Professor Innis

COURSE A.—*The History of Education.* Greek, Roman and early Christian education; the development of the mediaeval schools; the rise of the universities; the theories and work of the Humanists, the Realists and the Naturalists; the later psychologic, scientific and social principles of education. First half year.

Text—Munroe's History of Education. Readings in Laurie, Pre-Christian Education Compayre, History of Pedagogy; Quick, Educational Reformers, and biographies.

COURSE B.—*Psychology as Applied to Education.* The meaning and aim of education; the central nervous system; the faculties of the mind, their development and discipline; apperception; the culture of the thought powers; the training of the will; moral education; the art of study and teaching. Second half year.

Text—Baldwin's Psychology applied to the art of teaching; readings in James' Talks to Teachers; Thorndike, Principles of Teaching; Harris' Physchologic Foundations; and Halleck, Central Nervous System.

Courses A and B are four days a week, elective for Juniors. Recitations, lectures, individual research and reports.

COURSE C.—*School Management.* The pupil and teacher; the school house and equipment; sanitation; discipline; class organization; recitation; characteristics of good teaching; correlation of studies; the different grades of schools; educational values, and methods of teaching. First half year.

COURSE D.—*Practical Pedagogy*, particularly as related to the High Schools. The teacher and his work; the training of teachers; qualifications, preparation and aids; general methodology; the High School, its position, curriculum and methods; training for citizenship; education and life; the teacher's relation to the principal, the board and the public; the superintendent; observation of the work of experienced teachers. Second half year.

Courses C and D are three days a week. Elective for Seniors. Discussions, lectures and reports on assigned topics.

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## Political, Economic and Social Science

The trustees have decided to add another member to the faculty before the beginning of the new school year and to give him charge of the department of Political Science, Economics and Sociology. The details of the course will be arranged by the professor himself, but a year's work has been provided for in each separate subject.

### Political Science

A full year's work in the science of government, the development of political institutions and their actual working in the United States, England and the Continent of Europe. Four hours a week. Elective for Sophomores.

### Political Economy

A year's course in Political Economy, treating of the various divisions of the subject, the great principles upon

which the science is founded and the economic questions of the present day. Four hours a week. Elective for Juniors.

### Sociology

A full year's course in Social Science, the principles upon which the work is based, the foundations of society, the spirit of service, and the leading questions in Practical Sociology. Four hours a week. Elective for Seniors.

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### International Law

Four times a week, optional with Seniors during the Spring term. The work consists of lectures by the professor in charge, and topics assigned for investigation and discussion. Especial attention is given to questions related to international law in the history of our own country.

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### American Constitutional and Common Law

This course is an elective, twice a week, through the Senior year. The instruction is partly by recitation and quiz, and partly through lectures by the instructor, who is a member of the bar. Black's American Constitutional Law is in use as a text-book. The Law Library at the State Capitol, accessible to all students, furnishes an opportunity for special investigation to those who intend following the law after graduation.

## Mathematics

Professor Drew

COURSE A. I.—*Plane and Spherical Trigonometry*. Five times a week, fall term.

II.—*University Algebra*. Functions, Theory of Limits, Derivatives, Development of Functions in Series, Convergency and Summation of Series, Computation of Logarithms, Chance, Choice, Graphic Solution of Equations and Systems. Five times a week, winter and spring terms. Especial attention is given to Derivatives and Graphic Solutions. Course A is required of all Freshmen.

COURSE B. I.—*Analytic Geometry*. Three times a week during fall term. An elementary course containing what is presupposed in II and III.

II.—*Differential Calculus*. Three times a week during winter term. An elementary course devoted to the Theory of Limits, Fundamental Conceptions, and the Derivatives of the simpler Functions.

III.—*Integral Calculus*. Three times a week during spring term. This course presents only the simpler methods of integration.

Course B is elective for all who have had Course A. Illustrative examples taken from the Physical Sciences are introduced.

COURSE C. I.—*Differential Calculus*. Devoted to Higher Derivatives and the Functions of several variables. Two hours a week, fall term.

II.—*Analytic Geometry*. General equation of the second degree, higher plane curves, and an introduction to geometry of three dimensions. Two hours a week, winter term.

III.—*Solid Analytic Geometry.* Three hours a week, spring term.

Course C is elective for all who have had Courses A and B. (Omitted in 1906-7.)

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## Astronomy

Three times a week, spring term. An outline course in Descriptive Astronomy.

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## Physics

### Professor Batchelder

COURSE A.—*Elementary Mechanics.* This course continues through the first term of the Sophomore year, four exercises per week. It includes the problems of the composition and resolution of forces, retilinear and periodic motion, curvilinear and rotary motion, including projectiles, and is intended to furnish the student with such mathematical data as will enable him to solve readily the problems arising in the subsequent courses. Elective for Sophomores or Juniors.

COURSE B.—*Physics.* Second and third terms, four exercises per week. A general course, including mechanics of liquids and gases, sound, heat, electricity and magnetism, and light. Instruction is given by means of recitation and experimental lectures. Elective for Sophomores or Juniors.

COURSE C.—*Physics.* A laboratory course in Physics extending through one year, two hours credit per week. The work is quantitative in character. In

addition to the laboratory work, the student is required to read certain indicated works.

This course may be taken concurrently with Course A and B, or may follow these courses in any subsequent year.

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## Chemistry

**Professor Batchelder**

COURSE A.—*General Chemistry.* This course continues through the first two terms of Junior year, three afternoons a week. The instruction is given by lectures, recitations and laboratory work, first upon the non-metals and their compounds. After this the more commonly occurring metals and their compounds are taken up in like manner. Elective for Sophomores and Juniors.

COURSE B.—*Basic and Acid Qualitative Analysis.* This course extends through the third term of Junior year, three afternoons each week. It consists largely of work in the laboratory, where the student first learns the characteristic reactions for all the common metals, and then applies these tests to the qualitative determination of simple solutions. Especial attention is next given to the determination of the acids, the qualitative analysis of dry substances and to the use of the blow-pipe. The course is accompanied by a course of expository lectures, and especial attention is given to the subject of the chemical equation. Elective for those who have taken Course A.

COURSE C.—*Quantitative Analysis.* This course extends through one year. The student is first taught the use of the balance, and then proceeds to the quantitative

determination of a number of simple salts. After this follows the quantitative separation and determination of more or less complicated compounds, involving gravimetric as well as volumetric methods. Elective for those who have taken Courses A and B.

COURSE D.—*Organic Chemistry*. A course in organic chemistry on the basis of Remsen's "Chemistry of the Carbon Compounds." Laboratory work, lectures and recitations. Two terms of Senior year, four afternoons a week. Elective for those who have taken Courses A and B.

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## Biology

Professor Osborn

COURSE A.—*Elementary Invertebrate Zoology*. Three times a week, for three terms. This is a course in college zoology, and can be taken with or without a previous course in high school zoology. It consists of laboratory and lecture room studies of animals from various classes of invertebrates, familiar forms being used as far as suitable, dissections, drawings, study of microscopic sections, lecture note books and quizzes are among the methods of study employed. The design is to explore the facts of animal life as a means of training correct observation, record and inference. The Frog, Amoeba, Hydra, Coral Polyp, Fasciola, Trichina, Unio, Cambarus, and the Grasshopper are among the animals studied. Alternative with History A. for Philosophy Freshmen, and optional for all Sophomores.

COURSE B.—*General Biology*, two afternoons a week, through the Fall term. This is an advanced course

involving practice and information derived in course A, and is not open to students who have not completed that course. After learning the use of the Compound Microscope the student acquires a personal acquaintance with a large variety of animal and plant cells by examination of Amoeba, Yeast, Protococcus, Pennicillium, Spirogyra, Geranium Leaf, Paramæcium, Vorticella, Hydra and other subjects. The physiological conditions of cell life are investigated on Yeast as a subject; diet, temperature, light, moisture and poisons are examined, and the results are required to be set forth in a formal thesis which illustrates and thoroughly discusses the observations. This course includes considerable cryptogramic botany and is preliminary to Course F, Botany, must be taken as a prerequisite for that course. Optional for Sophomores, Juniors and Seniors who have completed Course A.

COURSE C-I.—*Vertebrate Morphology*, two afternoons a week through the Winter term. This is a course of practical dissections of a fish, salamander and a number of mammalian organs, such as the heart and lungs, mouth, nose and throat, eye and brain, together with lectures on the comparative anatomy of vertebrates; it is preliminary to the course in Human Physiology, and is optional for Sophomores, Juniors and Seniors who have completed Course A.

COURSE C-II.—*Mammalian Histology*, two afternoons a week through the Spring term. This is an elementary course of laboratory work and lecture studies in the histology of the tissues and some of the more important organs of the mammalian body, preliminary to the study of Human Physiology. It is based in part

on the study of fresh material and in part on prepared slides. Optional for Sophomores, Juniors and Seniors who have completed Course A.

COURSE D.—*Mammalian Physiology*, four times a week for the Fall and Winter terms. This is chiefly a lecture and recitation course; demonstrations are given, but individual laboratory study in physiology is not attempted. The attempt is, however, made so far as possible to consider the experimental data of the science. The earlier courses of biology are utilized extensively in the illustration of this course. The course is optional for Juniors or Seniors, who have completed Courses B and C.

COURSE E.—*Advanced Biology*, twice a week through the year. This individual and practical course, open only to students who have shown special fitness for and marked progress in practical biological work and who have completed Courses A, B and C. No formal instruction is given in this course; biological topics and problems are suggested and the student is guided in making a somewhat independent study of them.

COURSE F.—*Botany*, four times a week during the Spring term of 1906-7, a course in the morphology and classification of the flowering plants will be offered, optional for Seniors and Juniors, who must have completed Course B.

## Geology

Professor Osborn

A general course in the elements of Geological Science is given during the Spring term, four times a week. The course is based on Geikie's Class Book of Geology, and will attempt to devote especial attention to the recognition of the commoner minerals, rocks and fossils of the vicinity of St. Paul, and the chief illustrations of dynamical geology of this region. Optional for Juniors and Seniors. Not given in 1906-1907.

## Natural History, Museum and Laboratory

The biological laboratory and lecture rooms are adjoining. There are thirty-five compound microscopes, and full supplies of dissecting instruments and individual lockers, so that every student has complete control of his own instruments. The laboratory is also supplied with the usual appliances for elementary work in morphology and physiology, and includes a myograph and induction apparatus for the study of muscle contraction by the graphic method; the department possesses in connection with the department of physics a fine stereopticon, and is rapidly equipping itself with lantern slides for use in the classes. There is also an extensive museum of Natural History and Geology. All important topics are illustrated directly from specimens, there are many anatomical preparations, and a large collection of histological slides for class use.

# SYNOPSIS OF THE COURSE OF STUDY

## FRESHMAN YEAR

Fall Term  GERMAN.—4. or FRENCH. 4. MATHEMATICS.—Plane and Spherical Trigonometry. 5. <i>Arts Course, Classical</i> —GREEK.—Odyssey. 5. Rhetoric. 1. <i>Philosophy Course</i> .—RHETORIC.—3. “ “ ELEMENTARY ZOOLOGY. Course A. I. 3. HISTORY.—4. GREEK.—Course AA.	LATIN.—Livy. 4. or
	GERMAN or FRENCH. MATHEMATICS.—Algebra. <i>Arts Course</i> .—GREEK, Lysias. 5. Rhetoric. 1. <i>Philosophy Course</i> .—RHETORIC.—3. “ “ ELEMENTARY ZOOLOGY. Course A. II. 3.
	HISTORY.—4. GREEK.—Course AA.
	LATIN.—Horace. 4. or GERMAN or FRENCH. MATHEMATICS.—Algebra. <i>Arts Course</i> .—GREEK, Xenophon, Memorabilia. 5. Rhetoric. 1. <i>Philosophy Course</i> .—RHETORIC.—3. “ “ BIOLOGY. A. Course A. III. 3.
	HISTORY.—4. GREEK.—Course AA.

## SOPHOMORE YEAR

Fall Term  PHYSICS A.—Carhart. 4. ENGLISH LITERATURE.—4. GERMAN.—4. FRENCH.—4. LATIN.—Terence, Literature. 2½ POLITICAL SCIENCE.—4.	GREEK.—Plato, Apology. 2½ ANALYTICAL GEOMETRY.—2½ HISTORY.—4. BIOLOGY B.—3. RHETORIC—E. or F. 1. CHEMISTRY.—4.
	PHYSICS B.—4. ENGLISH LITERATURE.—4. GERMAN.—4. FRENCH.—4. LATIN—Cicero's Laelius or Pliny's Letters; Literature. 2½. POLITICAL SCIENCE.—4.
	GREEK.—Sophocles, Antigone, 2½ ANALYTICAL GEOMETRY.—2½ HISTORY.—4. BIOLOGY C. I.—3. RHETORIC—E. or F. 1. CHEMISTRY.—4.
	PHYSICS B.—Lectures. 4. ENGLISH LITERATURE.—4. GERMAN.—4. FRENCH.—4. LATIN.—Horace, DeArte Poetica or Quintilian; Literature. 2½. POLITICAL SCIENCE.—4.
	GREEK.—Demosthenes, De Corona. 2½. ANALYTICAL GEOMETRY.—2½ HISTORY.—4. BIOLOGY C. II.—3. RHETORIC—E. or F. 1. CHEMISTRY.—4.

The figures indicate the number of class exercises per week.

## JUNIOR YEAR

Fall Term	ENGLISH LITERATURE.—4.	GERMAN.—3.
	RHETORIC.—E. or F.—4.	FRENCH.—2.
	HISTORY.—3.	LATIN.—2.
	CHEMISTRY.—Course A.—4.	CALCULUS.—2½.
	BIOLOGY B.—3.	GREEK.—2.
Winter Term	HUMAN BODY.—4.	POLITICAL ECONOMY.—4.
	EDUCATION.—4.	
	ENGLISH LITERATURE.—4.	GERMAN.—3.
	HISTORY.—3.	FRENCH.—2.
	CHEMISTRY.—Course A.—4.	LATIN.—2.
Spring Term	BIOLOGY. C. I.—3.	CALCULUS.—2½.
	HUMAN BODY.—4.	GREEK.—2.
	EDUCATION.—4.	POLITICAL ECONOMY.—4.
	ENGLISH LITERATURE.—4.	GERMAN.—Goethe. 3.
	RHETORIC.—E. of F. 1.	FRENCH.—2.
	HISTORY.—3.	CALCULUS.—2½.
	CHEMISTRY. B.—4.	GREEK.—New Testament. 2
	DESCRIPTIVE ASTRONOMY.—Young. 3.	LATIN.—2.
	BIOLOGY. C. II.—3.	LOGIC.—3.
	EDUCATION.—4.	POLITICAL ECONOMY.—4.

## SENIOR YEAR

Fall Term	PSYCHOLOGY.—4.	CHEMISTRY C.—2 or 4 .
	HISTORY.—3.	BIOLOGY B.—3.
	EDUCATION.—3.	BIOLOGY E.—4.
	ENGLISH LITERATURE.—2 or 4.	HUMAN BODY.—2.
	SOCIAL SCIENCE.—4.	CONSTITUTIONAL LAW.—2.
Winter Term	GERMAN.	
	HISTORY.—3.	CHEMISTRY D.—4.
	MORAL SCIENCE.—4.	PHYSICS C.—2.
	EDUCATION.—3.	BIOLOGY C. I.—3.
	ENGLISH LITERATURE.—2 or 4.	BIOLOGY E.—2.
Spring Term	CHEMISTRY C.—2 or 4.	HUMAN BODY.—4.
	SOCIAL SCIENCE.—4.	CONSTITUTIONAL LAW.—2.
	NATURAL THEOLOGY.—Chad- bourne, Lectures.	CHEMISTRY C.—2 or 4.
	EVIDENCES OF CHRISTIANITY.— Hopkins.—2.	CHEMISTRY D.—4.
	INTERNATIONAL LAW.—4.	PHYSICS C.—2.
	SOCIAL SCIENCE.—4.	BIOLOGY C. II.—3.
	EDUCATION.—3.	BIOLOGY E.—2.
	ENGLISH LITERATURE.—2 or 4.	BIOLOGY F.—4.
		GEOLOGY.—4.
		AMERICAN COMMON LAW.—2.

## PREPARATORY DEPARTMENT

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The Preparatory Department, although separated in some respects from the College Department, is yet kept in vital connection with it, and its members have many of the privileges and advantages of students in the higher classes. Students entering this department will be expected to have completed Practical Arithmetic, English Grammar and United States History. Students can enter the higher classes by presenting a satisfactory certificate, or upon examination. The Roman method of pronunciation is used in the Latin classes.

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## COURSES OF INSTRUCTION

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### Preparatory Department

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#### FIRST YEAR

##### FALL TERM.

ALGEBRA.—5.

LATIN GRAMMAR.—5.

ENGLISH.—5.

##### WINTER TERM.

ALGEBRA.—5.

LATIN GRAMMAR.—5.

ENGLISH.—5.

##### SPRING TERM.

ALGEBRA.—5.

LATIN GRAMMAR.—5.

ENGLISH.—5.

#### SECOND YEAR

##### FALL TERM.

CAESAR.—5.

PLANE GEOMETRY.—5.

PHYSIOLOGY.—5.

## WINTER TERM.

CAESAR.—5.

PLANE GEOMETRY.—5.

PHYSIOLOGY ONE HALF TERM.—5.

BOTANY ONE HALF TERM.—5.

## SPRING TERM.

CAESAR.—5.

PLANE GEOMETRY.—5.

BOTANY.—5.

## THIRD YEAR

## FALL TERM.

GENERAL HISTORY.—4.

CICERO.—4.

GREEK OR CHEMISTRY.—4.

ENGLISH.—4.

## WINTER TERM.

GENERAL HISTORY.—4.

CICERO.—4.

GREEK OR CHEMISTRY.—4.

ENGLISH.—4.

## SPRING TERM.

GENERAL HISTORY.—4.

CICERO.—4.

GREEK OR CHEMISTRY.—4.

ENGLISH.—4.

## FOURTH YEAR

## FALL TERM.

VIRGIL.—4.

GREEK OR PHYSICS.—4.

SOLID GEOMETRY AND ALGEBRA.—4.

LITERATURE.—4.

## WINTER TERM.

VIRGIL.—4.

GREEK OR PHYSICS.—4.

SOLID GEOMETRY AND ALGEBRA.—4.

LITERATURE.—4.

## SPRING TERM.

VIRGIL.—4.

GREEK OR PHYSICS.—4.

SOLID GEOMETRY AND ALGEBRA.—4.

LITERATURE.—4.

Under English is included the presentation of Compositions and Declamations.

Latin Prose Composition throughout the course.

## STUDENTS

## FOURTH PREPARATORY

ACKERMAN, HAZEL,	Hamline
AIMER, NORMAN W.,	St. Hilaire
ANDERSON, PEARL,	Grantsburg, Wis.
ARNY, EDMUND G.,	Newport
BELL, CHAS. H.,	Grandin, N. D.
ELLIS, C. JAY H.,	Minneapolis
FUNK, I. LOGAN,	Lake Benton
LIDENBERG, ESTHER,	Fosston
MFADDEN, ALICE E.,	Neche, N. D.
NELSON, LIBBIE E.,	Grantsburg, Wis.
NOLTIMIER, ROY,	Hamline
OLSON, STANLEY D.,	Grantsburg, Wis.
PEMBERTON, LEE R.,	Hamline
ROBINSON, ESTELLA A.,	Hamline
SWEITZER, L. R.,	Hamline
UNDERHILL, CARL C.,	Hamline
WATSON, WM. G.,	Lisbon, N. H.
ZIESENES, HAZEL,	St. Paul
ZIESENES, IVA,	St. Paul

## THIRD PREPARATORY

AVISON, CLAYTON C.,	Hamline
BELL, BEATRICE,	Walhalla, N. D.
BLOOD, CLAUDE L.,	Downing, Wis.
DENKMAN, EVELYN,	St. Paul
EARL, ALVA S.,	Minneapolis
ELLERY, CLIMO,	St. Thomas, N. D.
ELY, WM. O.,	Hamline
HEWITT, EZRA,	St. Paul
HIGGINS, WARREN P.,	Hamline
JELLISON, IRMA,	Hamline
JOHNSTON, ERNEST D.,	Hamline
MALM, FLORENCE,	Raymond
MFARRAN, BESSIE,	St. Paul

MONSON, LIZZIE,	Gibbon
MOUGHMER, LORENE,	Sparta, Wis.
PLAYFAIR, LYON,	Hamline
ROBINSON, RHEA B.,	Lester Prairie
SMALLEY, LLOYD E.,	Olney, Ill.
SMITH, PAUL W.,	Hamline
THOMPSON, VERNE,	Hamline
WALLACE, ELLA I.,	Drayton, N. D.

## SECOND PREPARATORY

BERGSTROM, OLIVE,	Minneapolis
BROWN, DAN O.,	Hanley Falls
COLLETT, WM.,	Hamline
CROLIUS, ROBERT S.,	Minneapolis
CULBERTSON, ROBT.	Walnut Grove
DAILEY, WM. J.	St. Paul
DAPRON, FAY,	St. Paul
FINNEY, JEWEL,	Hamline
FITCH, GEORGE A.,	Tracy
GLASS, WARREN V.,	Hamline
HAIGHT, FRANK J.,	Morris
HELLIWELL, GEORGE F.,	St. Paul
KUHN, EARL M.,	Minneapolis
LARSEN, LOUELLA,	Clark's Grove
MACLEOD, NORMA,	Hamline
MADSEN, ALLIS,	Pierre, S. D.
MARSDEN, L. N.,	Fairmont
MATCHETT, HENRY G.,	Hamline
McKEAN, LESLIE G.,	Merriam Park
MEYER, CARL,	Anamoose, N. D.
PALMER, EDITH,	Brownsdale
PETERSON, ALBERT,	Edgerton
POSTON, FRANK,	Thief River Falls
POSTON, SIDONA,	Thief River Falls
STORR, HAZEL,	St. Paul
SWEITZER, J. RUSSELL,	Hamline
WARREN, WINNIE,	Woodstock
WOOD, CLARENCE,	Morris
WOOD, SADIE E.,	Brownsdale
WRIGHT, WARNER,	Hamline

## FIRST PREPARATORY

ACKERMAN, GLADYS,	Hamline
ADDEN, HERBERT,	Ellsworth
BALL, WALTER E.,	Anoka
DAPRON, PAUL,	St. Paul
DEARBORN, STEWART,	St. Paul
DOUGLAS, RALPH,	Thief River Falls
DUMBLE, HERBERT W.,	St. Paul
GALBRAITH, T. GEO.,	Hamline
GILLIS, ANTHONY,	New Salem, N. Dak.
GRAY, GEORGE,	Paynesville
HAGGANS, GEO. L.,	Rockwood, Ont.
HANNA, ANNA,	Hamline
HELGESTON, ALICE,	Merriam Park
HIGGINS, FLOYD E.,	Hamline
HILLMAN, ALICE,	Merriam Park
KINSMAN, ROBERT,	Hamline
LEA, JOHN,	Hamline
LEVENICK, ALVIN C.,	Blue Earth
LUNDSTEN, FRANCES,	Waconia
MALLERY, ALFRED,	Lakeville
McCONNELL, WM. R.,	Hallock
NICKERSON, MARY,	Hamline
NOLTIMIER, LILLIAN,	Hamline
PALMER, LEONARD G.,	Minneapolis
PARKS, INA L.,	Hamline
QUARNSTROM, EUGENE,	Bonesteel, S. D.
RICHARDSON, CHAS.,	Grantsburg, Wis.
SMITH, C. PAUL,	Hamline
SLATER, CATHERINE,	Hamline
STEVENS, CHAS. R.,	Hamline
STEVENS, RAY,	Hamline
SWENSON, AARON W.,	Willmar

## DEPARTMENT OF ELOCUTION

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The instruction seeks to develop the individuality of each student, to make mind and body responsive to the thought to be interpreted, to develop bodily freedom, ease and grace, to secure correct and natural use of the voice, to develop a love and appreciation of good literature, and to give each student a command of all his powers before an audience.

Exercises in physical culture from the Emerson system are used, and others adapted from the Checkly and Swedish systems.

Private pupils in elocution are admitted to class work free of charge. They also have the opportunity of appearing before audiences in the public recitals which are frequently given.

A certificate is granted for the completion of courses in this department.

In the Junior and Senior years three terms' work in the interpretative study of literature may be substituted for one-half study one term of the college curriculum.

## STUDENTS

ADDISON, STANLEY,	Marshall
ANDERSON, CORA B.,	Redwood Falls
ARCHERD, HAYS P.,	Mantorville
BERRY, NINA,	La Porte, Iowa
BOWERS, ETHEL,	Redwood Falls
BREWSTER, HELEN,	Stewartville
CAMPBELL, BRUCE R.,	Hatfield
CHARITON, J. W.,	Cloquet
CONKEY, FRANCES,	Minneapolis
CONSTANCE, JENNIE,	Cumberland, Wis.
CONSTANCE, MARGARET,	Cumberland, Wis.
DAVIS, MAUDE K.,	Elk River
DIETER, QUEEN,	Minneapolis
DREW, GEORGE N.,	Hamline
EPTON, EFFIE,	Rolla, N. D.
FINNEY, JOHN,	Hamline
GARRISON, ARTHUR,	Hamline
GALBRAITH, GEORGE,	Hamline
GOVE, MATTIE L.,	Windom
GRALING, RECA,	Hamline
HANSON, ADA G.,	Anoka
HAYES, J. ALLISON,	Hamline
HAYNES, CHAS. E.,	Eden Prairie
HEINS, WARREN H.,	Olivia
HENRY, ETHELWYN,	Janesville
HERBER, TRUMAN,	Hamline
IRISH, GENEVIEVE,	Detroit
JOHNSTON, FREDERICK J.,	Boisbiovain, Man.
KEAST, CHAS. P.,	Hamline
KING, MARY J.,	Caledonia
KULL, ALFRED,	Sacred Heart
LAMBERT, BLAINE,	Fergus Falls
LEAVITT, FAYETTE,	Lake Crystal
MANUEL, ARTHUR,	Canton
MOORE, DANIEL W.,	Portland, Ore.
MOREHOUSE, JAS. W.,	Kasson

NELSON, IDA,	Dawson
OLIVFR, GUY E.,	Hamline
PARISH, JOHN L.,	Pine City
PARISH, SAMUEL,	Pine City
PLAYFAIR, WM. LYON,	Hamline
PORTER, LAVINA,	Langdon, N. D.
POSTON, SIDONA,	Thief River Falls
RADSLIFF, DAVID,	Langdon, N. D.
REDDING, SIBYL,	Windom
ROBINSON, HOWARD,	Hamline
ROBINSON, WM. Z.,	Lakefield
SCHOLBERG, HENRY C.,	Ortonville
SCHUMACHER, JOHN P.,	Redwood Falls
SQUIRE, F. HOWARD,	Hanley Falls
SQUIRE, J. PINKERTON,	Groton, S. D.
STEVENS, MAUDE I.,	Appleton
TURNER, LEONARD S.,	Chatfield
UNDERHILL, CARL C.,	Hamline
VICKERY, MYRA L.,	Mora
WEED, CORA ETTA,	Hamline
WELLS, ARDELLE,	Austin
WELLS, BESSIE,	Herman
WORMAN, ALVIN E.,	Hamline
YOUNG, SAMUEL D.,	Pipestone
ZIESENES, HAZEL,	St. Paul

## DEPARTMENT OF MUSIC

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The Department of Music furnishes instruction in piano playing, singing, harmony.

The instruction in music, both instrumental and vocal, is by private lesson and not in classes. This gives better opportunity to meet the individual needs of pupils. Lessons last half an hour and cost at the rate of \$1.00 each, payable per term in advance. To secure the best results students should take two lessons each week.

There is opportunity for chorus singing in connection with the vocal music class.

The nearness of the University to the two cities enables students to hear frequently superior music and musical lectures, an important supplement to the teaching of the Music Department. The course of music is so arranged with reference to the regular college course that both can be taken simultaneously without detriment.

## STUDENTS

ADDEN, HERBERT J.,	
ANDERSON, WESLEY G.,	Hamline
ARTHUR, IRENE,	Webster, S. D.
BAKER, MYRTLE,	Neche, N. D.
BELL, BEATRICE,	Walhalla, N. D.
BELL, BERTHA,	New Richmond, Wis.
BUSH, CARROLL D.,	Grand Meadow
GOFF, LOTTIE,	Drayton, N. D.
GRALING, EVA,	Hamline
HONEY, ADA,	Park River, N. D.
IRISH, GENEVIEVE,	Detroit
JEFFERS, MYRTLE,	Windom
JOHNSON, MERRILL,	Goodhue
MCCAULEY, DAVID,	Pembina, N. D.
MOUGHNER, LORENE,	Sparta, Wis.
NELSON, IDA,	Dawson
PACKARD, RICHARD,	Rolla, N. D.
PORTER, LAVINA,	Langdon, N. D.
SMAIL, BESSIE,	Webster, S. D.
SMITH, CORA M.,	Fulda
UNDERHILL, CARL C.,	Hamline
WALTZ, IRENE,	Stillwater
WARREN, WINNIE,	Woodstock

## GENERAL INFORMATION

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The College of Liberal Arts is admirably located. While its site is within the limits of the city of Saint Paul, and it is thus directly accessible from all parts of the State by a dozen or more different lines of railroad, it is at the same time situated in a suburb midway between the Twin Cities. The community in which the Collegiate Department is placed has grown up with the college as its center, so that very many of its numerous pleasant homes are socially open to the students, and many families have moved to it to give their children the advantage of the college course. It has a beautiful new church, the life of which is intimately related to the student life in many ways. The students thus have all the advantages of a residence in a small town at a distance from the noise and disturbance of great metropolitan cities. And yet the location is extremely convenient with regard to both of the Twin Cities; electric car service at very frequent intervals places all parts of both Saint Paul and Minneapolis within easy reach. The advantages growing out of this are very great, without at all detracting from the quiet favorable to student life; it enables the students who are to be among the future people of affairs in Minnesota to come in practical touch with all the highest and most recent aspects of modern life. All the best entertainments, the best lectures, the best music, the greatest political speakers, and national heroes visit one or both of these cities in their

tours of the country. During the years of his life the student will never have more or better chances to see and hear the best things than while he is at the same time pursuing his academic studies in the college halls. The cities, too, offer permanent advantages of all sorts, whether it be in their beautiful public buildings, among which is to be mentioned our new State Capitol, passed in every trip on the street car to Saint Paul, or in public libraries, or in the sessions of the law courts or of the State Legislature, or in their great industrial enterprises. All of these advantages the student imbibes incidentally; while they in no way detract from his life as a student, they materially aid in putting him in touch with modern life. The proximity of the cities also affords many opportunities for self-support, by employment that can be obtained outside of college hours. Such employment also yields valuable experience with commercial life and the practical life of affairs, which is more and more felt to be of the highest value to the college-bred man or woman.

### LIBRARY

The Library located in University Hall is well adapted for supplementary reading and research. Investigation in the Library is made an especial feature of class work. The Library is open daily from 8:00 a. m. until 5:00 p. m. It is free to all students, and they are aided in consulting it by the Librarian and by members of the Faculty. The Library is provided with the best periodicals and with other papers and pamphlets on the principal questions of the day. The Public Libraries of both Saint Paul and Minneapolis, and the Library of the Minnesota Historical Society, are in easy reach and freely accessible to all students.

**PHYSICAL CULTURE**

Physical culture at Hamline University is under the supervision of a resident Physical Director, who is a member of the Faculty. The physical needs of each student are carefully considered and the special form of exercise most desirable recommended. Regular training is maintained in the Gymnasium throughout the winter months, which, together with the organized athletics of the University, secures the largest possible opportunity to each student. Hamline is a member of the State Athletic League, and has established athletic relations with several colleges in other states, so that great interest is given to the out-door college sports of the fall and spring.

**NORTON FIELD**

Through the generosity of the Hon. Matthew Norton, president of the Board of Trustees, an admirable athletic field, with all modern improvements, was last season laid out by a committee of the faculty and alumni, near the University buildings. It is provided with all necessary facilities for baseball, football, track athletics and tennis, including a grandstand seating seven hundred spectators, and containing dressing-rooms and storerooms for the use of students.

The Gymnasium is at present in the basement of Science Hall. It contains 6,000 feet of floor space and is equipped with running track and the necessary apparatus for light and heavy gymnastics. It is also fully fitted with the latest improvements in shower-baths, closets and lockers.

The general supervision of athletics in the University is committed to an advisory board, the chairman of which is the Dean of the College of Liberal Arts.

### LITERARY SOCIETIES

There are eight Literary Societies in connection with the College of Liberal Arts. The Philomathean, Amphictyon and Phi Alpha are for college men; Browning, Athenæan and Alpha Phi for ladies; the Zarephathian for young men, and the Ingelow for young ladies of the preparatory department.

The Hamline Oratorical Society, a branch of the State Oratorical Association, and the Ladies' Oratorical Association, are especially designed for the cultivation of oratory.

Students are urged to take advantage of the excellent opportunities afforded by these societies and frequent public literary exercises add their stimulus to growth in thought and experience.

### RELIGIOUS SERVICES

Students are expected to attend chapel exercises daily and preaching every Sabbath, at such places as they or their parents may designate at the opening of the term.

Voluntary meetings of the students, collectively or by classes, are held frequently under the direction of the students themselves or with some member of the Faculty as leader. A revival spirit is constantly present, growth in Christian life and work is successfully cultivated, and the young people are prepared for the wider field in church work that lies before them. The experience of the University shows that intellectual and religious cul-

ture ought not to be separated, but that both reach their highest development together.

Flourishing branches of the College Y. M. C. A. and Y. W. C. A. are organized and doing efficient work. The quality of the religious work done at Hamline is well attested by the numerous missionaries in foreign lands, and by the high grade of church work done by the Alumni in Minnesota and other states.

### **LADIES' HALL**

Ladies' Hall is capable of accommodating about seventy young women. The rooms are heated by steam and lighted by gas. They are also furnished with bedstead, mattress, table, chairs, bureau, washstand, mirror, bowl and pitcher. All other articles students will provide for themselves. Occupants of the rooms will be expected to keep them in order, and to make good all breakage and injury to property beyond ordinary wear. This building has been extensively renovated during the past year and much improved by the addition of a rest room beautifully furnished and decorated by one of the recent alumnae. Room rent, one dollar and a quarter per week.

### **BOARD**

The Dining Hall is in the basement of the Ladies' Hall. It is regarded by the Faculty as desirable that young ladies from a distance should board and room in Ladies' Hall, and they will find it in many ways to their advantage to do so.

In the event, however, of young ladies wishing to board in clubs or in private families, application for permission to do so must be made by their parents in writing to the President or Dean, and each application so made

will be considered on its merits. Arrangements for boarding in Ladies' Hall must be made by the year.

Gentlemen will be permitted to select their own boarding places with private families, subject, however, to the approval of the Faculty; and when once selected no change will be permitted during the term without the consent of the President obtained before removal.

The cost of board at Ladies' Hall is at present as follows:

Board, per week ..... \$3.00

For guests a charge will be made of 25 cents per meal.

The expenses of board, fuel, washing and light in private families is \$4.00 to \$4.50 per week.

### NECESSARY EXPENSES

Tuition, College Classes, Fall Term.....	\$12.00
Tuition, College Classes, Winter or Spring Term.....	11.00
Tuition, Preparatory Classes, Fall Term.....	10.00
Tuition, Preparatory Classes, Winter or Spring Term....	9.00
Incidentals, per term, all classes .....	2.00
Physical Laboratory fee, per term, course C, .....	2.00
Chemical Laboratory fee, per term, courses A, B, C & D	3.00
Biological Laboratory fee, per term, courses A. B. C. E.	2.00
Biological Laboratory fee, per term, course F.....	1.00
Apparatus broken by the student will be charged to his account.	
Elocution, per lesson.....	1.00
Music, piano or vocal, payable by the term, per lesson of one-half hour .....	1.00
Vocal Music, per term, in classes.....	2.00
Use of piano, one hour daily, per term.....	2.50
Text-books, per year .....	\$10.00 to 15.00

### ESTIMATED YEARLY EXPENSES

	Preparatory.	College.
Tuition and incidentals.....	\$ 34.00	\$ 40.00
Room rent, fuel and light.....	45.00	45.00
Board, thirty-six weeks.....	108.00	108.00
Washing and ironing, 12 pieces per week....	18.00	18.00
Books and stationery, about.....	12.00	12.00
Minimum .....	\$217.00	\$223.00

The yearly expenses of those boarding in private families will not vary materially from those of students boarding in the institution. Persons desiring extra accommodations will, of course, have to pay higher rates. Music and elocution being extras, are not included in the above estimates.

The attention of parents and students is called to the following requirements, which will be strictly enforced:

Tuition, incidentals, music, and elocution lessons, and piano rent are payable by the term in advance.

Board and room rent are payable monthly in advance.

No deduction will be made in tuition and incidentals for an absence of less than half a term, and rent will be charged until the rooms are formally vacated, whether continuously occupied or not.

If a pupil be suspended or expelled, or leaves without the consent of the President, no tuition, incidentals or room rent will be refunded. In all other cases they will be equitably refunded when the absence equals half a term.

Unexpended balances paid in advance for board and washing will be refunded in all cases except when a pupil leaves without giving notice previous to his departure.

The trustees have under consideration a proposition to charge tuition according to the number of hours taken by each student, and this plan may go into force in the year 1906-7. This, however, will make little change, if any, in the above estimate.

A charge of twenty-five cents will be made for each change in registration made at the request of a student after he has once been assigned to classes.

B.

# College of Medicine

(Minneapolis College of Physicians and Surgeons.)

## BOARD OF TRUSTEES

---

H. B. SWEETSER, M. D., Term Expires 1907.  
D. O. THOMAS, M. D., Term Expires 1907.  
G. C. BARTON, M. D., Term Expires 1908.  
C. A. McCOLLOM, M. D., Term Expires 1908.  
J. T. MOORE, M. D., Term Expires 1909.  
F. A. KNIGHTS, M. D., Term Expires 1909.

## OFFICERS OF THE COLLEGE

GEO. H. BRIDGMAN, D. D., PRESIDENT.  
J. T. MOORE, M. D., VICE-PRESIDENT.  
GEO. C. BARTON, M. D., DEAN.  
D. O. THOMAS, M. D., TREASURER.  
E. M. DUNN, A. B., SECRETARY AND REGISTRAR,

## FACULTY EMERITUS

---

EDWIN PHILLIPS, M. D.,

*Professor Emeritus of Gynecology.*

J. W. McDONALD, M. D., F. R. S. C. E.,

*Professor Emeritus of the Practice of Surgery and Clinical  
Surgery.*

COLUMBUS G. SLAGLE, M. D.,

*Professor Emeritus of Paediatrics.*

CHARLES E. SMITH, M. D.,

*Professor Emeritus of Clinical Medicine.*

HUGH N. McDONALD, M. D.,

*Professor Emeritus of Diseases of the Chest.*

## FACULTY

---

GEO. H. BRIDGMAN, M. D., PRESIDENT,  
Hamline, St. Paul, Minn.

J. T. MOORE, M. D., C. M., M. C. P. S., VICE-PRESIDENT,  
406 Masonic Temple, Minneapolis.  
*Professor of Theory and Practice of Medicine.*

GEO. C. BARTON, M. D., DEAN,  
1034 Andrus Building, Minneapolis,  
*Professor of Gynecology and Clinical Gynecology.*

WILLIAM J. BYRNES, M. D.,  
210 Masonic Temple, Minneapolis,  
*Professor of the Principles of Surgery and Clinical Surgery.*

LEO. M. CRAFTS, B. L., M. D.,  
605 Masonic Temple, Minneapolis,  
*Professor of Nervous Diseases.*

WILLIAM H. HALLOWELL, M. D.,  
101 E. Twenty-seventh St., Minneapolis,  
*Professor of Obstetrics.*

H. B. SWEETSER, M. D.,  
707 Masonic Temple, Minneapolis,  
*Professor of the Practice of Surgery and Clinical Surgery.*

F. A. KNIGHTS, M. D.,  
416 Masonic Temple, Minneapolis,  
*Professor of Paediatrics.*

D. O. THOMAS, M. D., L. R. C. P., M. R. C. S., TREASURER,  
504 Masonic Temple, Minneapolis,  
*Professor of Diseases of the Chest.*

C. K. BARTLETT, M. D.,  
509 Masonic Temple, Minneapolis,  
*Professor of Psychological Medicine.*

CHARLES J. SPRATT, M. D.,  
310 Syndicate Arcade, Minneapolis,  
*Professor of Ophthalmology and Otology.*

CHARLES W. WILLIAMS, M. D.,  
809 Andrus Building, Minneapolis,  
*Professor of Materia Medica and Therapeutics.*

J. D. SIMPSON, M. D.,  
415 Syndicate Arcade, Minneapolis,  
*Professor of Clinical Ophthalmology and Otology.*

ANTON SHIMONEK, M. D.,  
Defiel Block, St. Paul,  
*Professor of Clinical Surgery.*

C. A. McCOLLOM, M. D.,  
520 Syndicate Arcade, Minneapolis,  
*Professor of Preventive Medicine and Medical Insurance.*

NORMAN DREISBACH, M. D.,  
320 Syndicate Arcade, Minneapolis,  
*Professor of Anatomy.*

CHARLES J. MEADE, M. D.,  
74 West Fourth St. St. Paul,  
*Professor of Clinical Medicine.*

CHARLES F. DIGHT, M. D.,  
College Bldg., 7th Ave. and 5th St. S., Minneapolis,  
*Professor of Physiology and Embryology.*

EDGAR M. DUNN, A. B., SECRETARY AND REGISTRAR,  
College Bldg., 7th Ave. and 5th St. S., Minneapolis.  
*Professor of Chemistry.*

J. FRANK CORBETT, B. S., M. D.,  
615 Syndicate Arcade, Minneapolis,  
*Professor of Bacteriology and Curator of the Museum.*

J. A. WATSON, M. D.,  
1034 Andrus Building, Minneapolis,  
*Professor of Pathology and of Diseases of the Nose and Throat.*

CHARLES H. BRADLEY, M. D.,  
416 Masonic Temple, Minneapolis,  
*Professor of Physical Diagnosis and Clinical Medicine.*

ARNOLD W. SCHWYZER, M. D.,  
Moore Block, St. Paul,  
*Professor of Clinical Surgery.*

EDUARD BOECKMANN, M. D.,  
419 East Tenth St., St. Paul,  
*Professor of Clinical Ophthalmology.*

GUSTAV A. RENZ, M. D.,  
255 Lowry Arcade, St. Paul,  
*Professor of Clinical Gynecology.*

FREDERICK J. PLONDKE, M. D.,  
Seventh and Margaret Sts., St. Paul,  
*Professor of Clinical Pathology.*

L. A. NELSON, M. D.,  
Lowry Arcade, St. Paul,  
*Professor of Clinical Ophthalmology and Otology.*

GEO. P. CRUME, M. D.,  
815 Andrus Building, Minneapolis,  
*Professor of Dermatology and Genito-Urinary Diseases.*

FRANKLYN T. POEHLER, B. S., M. D.,  
405 Syndicate Arcade, Minneapolis,  
*Professor of Diseases of the Chest and Clinical Medicine.*

J. H. STUART, A. M., M. D.,  
416 Pillsbury Building, Minneapolis,  
*Professor of Electro Therapeutics.*

## ADJUNCT FACULTY

---

- R. M. PETERS, M. D.,  
63 Syndicate Block, Minneapolis,  
*Instructor in Theory of Medicine.*
- CHARLES F. DISEN, M. D.,  
2600 East Twenty-second St., Minneapolis,  
*Instructor in Operative Surgery and Demonstrator of Anatomy.*
- EDMUND STEVENS, M. D.,  
337 Wabasha St., St. Paul,  
*Instructor in Clinical Obstetrics.*
- ELIZABETH WOODWORTH, M. D.,  
55 Syndicate Block, Minneapolis,  
*Instructor in Bacteriology.*
- H. T. NIPPERT, M. D.,  
Ninth and Wabasha Sts., St. Paul,  
*Instructor in Clinical Medicine.*
- LOUIS DUNN, M. D.,  
3040 Lyndale Ave. S., Minneapolis,  
*Instructor in Pathology.*
- GEO. J. GORDON, M. D.,  
204 Masonic Temple, Minneapolis,  
*Instructor in Therapeutics and Clinical Obstetrics.*
- A. E. JOHNSON, M. D.,  
2408 Central Ave., Minneapolis,  
*Instructor in Apparatus and Bandaging and Clinical Surgery.*
- ELIJAH BARTON, L. L. D.,  
305 Oneida Block, Minneapolis,  
*Lecturer on Medical Jurisprudence.*

W. KAY BARTLETT, M. D.,

2901 Washington Ave. N., Minneapolis,

*Assistant Professor of Clinical Microscopy and Demonstrator in Medicine.*

JACOB HVOSLEF, M. D.,

302 Nicollet Ave., Minneapolis,

*Lecturer on Orthopedic Surgery.*

THOMAS T. WARHAM, M. D.,

606 Masonic Temple, Minneapolis,

*Instructor in Dietetics.*

G. F. BEACHLER, M. D.,

315 Syndicate Arcade, Minneapolis,

*Quizmaster in Anatomy.*

IVAR SIVERTSEN, M. D.,

1034 Andrus Building, Minneapolis,

*Clinical Instructor in Obstetrics and Gynecology.*

GEO. F. SWINNERTON, B. A.,

College Building, 7th Ave. and 5th St. S., Minneapolis,

*Instructor in Histology and Embryology.*

C. W. PETTIT, M. D.,

1131 Third Ave. S., Minneapolis,

*Instructor in Bacteriology.*

JOHN O. TAFT, Ph. G.,

College Building, 7th Ave. and 5'th St., Minneapolis,

*Instructor in Pharmacology.*

**UNIVERSITY SCHOLARS ASSISTING IN  
LABORATORY INSTRUCTION**

RUDOLPH M. GUNDERSON,  
*In Bacteriology.*

R. E. SMITH,

G. L. JACQUOT,

R. J. KINGSLEY,  
*In Pathology.*

G. S. BEARDSLEY,

*In Anatomy.*

HERBERT H. LEIBOLD,

*In Embryology.*

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**DISPENSARY CLINICAL STAFF**

G. C. BARTON, M. D., PRES.,  
*Gynecology.*

J. D. SIMPSON, M. D.,  
*Eye and Ear.*

C. H. BRADLEY, M. D.,  
*General Medicine.*

F. T. POEHLER, M. D., SEC. and TREAS.,  
*General Medicine.*

J. A. WATSON, M. D.,  
*Nose and Throat.*

G. P. CRUME, M. D.,  
*Dermatology.*

H. B. SWEETSER, M. D.,  
*Surgery.*

A. E. JOHNSON, M. D.,  
*Surgery.*

W. K. BARTLETT, M. D.,  
*General Medicine.*

OSCAR OWRE, M. D.,  
*Dermatology.*

## CALENDAR

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1906.

- Sept. 1.—Saturday. Matriculation books open.  
Sept. 17.—Monday. Entrance Examinations, 9 a. m.  
Sept. 17.—Monday. Opening address, 8:15 p. m.  
Sept. 18.—Tuesday. Lectures begin, 9 a. m.  
Sept. 22.—Saturday. Examinations for advanced standing.  
Sept. 29.—Saturday. Examinations for conditioned students.  
Oct. 1.—Monday. Tuition tickets required for admission to lectures.  
Oct. 20.—Saturday. Matriculation books close.

*Christmas vacation from Saturday, December 22, 1906, to Tuesday, January 8, 1907.*

1907.

- Jan. 8.—Tuesday. Lectures resumed.  
Feb. 1.—Friday. Session tickets required for admission to lectures.  
Feb. 22.—Friday. Washington's Birthday; a holiday.  
May 13.—Monday. Final examinations begin.  
June 2.—Sunday. Baccalaureate sermon, 10:30 a. m.  
June 3.—Monday. Class Night, 8:15 p. m.  
June 5.—Wednesday. Commencement 2 p. m.

## COLLEGE BUILDINGS

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The college building is situated on the corner of Fifth street and Seventh avenue south, and was finished and occupied on January 1, 1900.

The college has been exceedingly fortunate in securing its location, immediately opposite the large new buildings of the city hospital, giving unequaled clinical advantages, and the finest location for a medical college in the Northwest.

The building now occupied is the south wing only, of the complete structure as it is to be. The site has been purchased to provide for the future growth of the department, and is very commodious, containing ample room for all future additions. The entire plans, as drawn, provide for a building one hundred and thirty by one hundred and fifty feet on the ground, and most admirably arranged in every detail for the best work.

The south wing now occupied is ample for the present needs and the immediate future. The large amphitheater seats two hundred and twenty-five. There are two other large class rooms. The dissecting room with adjoining lavatory is large, extending entirely across the building and admirably lighted across both sides and by skylight. The laboratories are large, airy and carefully arranged for light and convenience. There is a students' reading room and a separate ladies' parlor and retiring rooms. Especial attention has been given to the dispensary rooms which occupy the ground floor. Eleven rooms are devoted to this purpose, with large waiting rooms, history, clinic and drug rooms, giving by far the best dispensary facilities in the city.

## ANNOUNCEMENT

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The Medical Department (Minneapolis College of Physicians and Surgeons) will begin its twenty-fourth annual course of lectures on September 17, 1906, at 8:15 p. m., at which time the introductory address will be given in the college amphitheater.

### History

The college is the oldest chartered institution for medical education in the state of Minnesota. It was founded in 1883, for the purpose of elevating the standard of medical education in the Northwest, and has always maintained the highest standard of requirements.

In 1895 the college became the medical department of Hamline University, which has added greatly to its efficiency and usefulness.

In the same year the course of study was lengthened to four years, beginning with the class entering for that session.

In 1896 the length of the session was increased from six to eight months, and notice was published that on and after the year 1900 a first grade high school diploma, or its equivalent, would be required for entrance, this being the first school in the Northwest to assume this requirement.

In 1897 an important advance was made by the college in establishing a full list of clinics in St. Paul, with an able corps of instructors and free access to the hospitals of that city.

The faculty includes many of the ablest and best known practitioners in the Northwest, both in general and special fields of practice.

Beginning with the session of 1901-2, the opening of the college year was changed to the third week in September, lengthening the session to eight and a half months.

In 1901 allowance of advanced standing, except to students from the recognized medical colleges, was eliminated.

## Hospitals

The clinical facilities of this college are the best that can be obtained in the twin cities, the building being situated in the immediate vicinity of four hospitals of Minneapolis. The various members of the faculty are on the visiting staffs of the hospitals of the two cities. The wards of the Minneapolis City Hospital, Asbury Methodist, St. Barnabas, St. Mary's, and the Swedish Hospitals, in Minneapolis, and the City and County Hospital, St. Joseph's and Luther Hospitals, in St. Paul, are all freely available for purposes of instruction to the students of this college.

The clinical material is being rapidly increased in both cities, but more especially in Minneapolis, where the City Hospital has added largely to its capacity in completing the new wing for contagious diseases, making the total capacity over 250 beds. The Swedish Hospital accommodates 125 patients. The new building of Asbury Hospital, to accommodate 200 or more, will be completed, and improvements at St. Barnabas Hospital have added materially to the capacity of this institution. All these hospitals, with over 600 beds, are within ten

minutes' walk of the college building, giving a wealth of material for practical instruction not excelled anywhere in the West.

Over twenty hospital appointments are open to the graduates of this college, either by competitive examination or direct choice. The position of hospital steward at the state prison is also open to graduates.

As an inducement to the taking of examinations for internships at the various hospitals, the faculty has passed the following rule (in effect 1905-6).

"Should any senior student, who has secured an appointment as interne, fail in one or two subjects at the final examinations, he shall (by virtue of having passed the hospital examinations and of having secured the hospital appointment) be entitled to special examinations in not more than two subjects free of charge. Should he then fail he must repeat the subjects the following year. Should he pass the special examinations, he shall be allowed to graduate with the class, but his diploma and the right which it carries (of taking state-board examinations) shall be withheld until he has fulfilled his obligations by completing his term of service as interne."

## Requirements for Admission

Four year course. Six year course.

This college is a member of the Association of American Medical Colleges, and the requirements for admission are the same as those required by all colleges of the association, four options, as follows:

- (a) A bachelor's degree from an approved college or university.
- (b) A diploma from an accredited high school, normal school or academy requiring for admission evidence of the com-

pletion of an 8-year course in primary and intermediate grades, and for graduation not less than four years of study embracing not less than two years (4 points) of foreign language, of which one must be Latin, two years (4 points) of mathematics, two years (4 points) of English, one year (2 points) of history, two years (4 points) of laboratory science, and six years (12 points) of further credit in language, literature, history or science.

(c) An examination in the following branches:

A. Required (18 points): Mathematics (4 points); English (4 points); History (2 points); Language (2 must be Latin), 4 points; Science (taken from physics, chemistry, botany, zoology), 4 points.

B. Optional (to 12 points): English, 2 points; History, 6 points; Language, 6 points; Manual Training, 2 points; Mechanical Drawing, 1 point; Natural Science (botany, biology, zoology), 2 points; Physical Science (chemistry, physics), 2 points; Trigonometry, 1 point; Astronomy (1), Civics (1), Geology (1), Physical Geography (1), Physiology and Hygiene (1), Political Economy (1).

(One point in any subject in a high-school or academic course demands not less than five periods per week of forty-five minutes each for eighteen weeks.)

(d) Certificates from reputable instructors recognized by the city superintendent of schools or by any state board of medical examiners duly authorized by law, may be accepted in lieu of any part of this examination.

In addition, this university offers a six year course, two years in the academic college, and four years in the medical college, upon the completion of which the degrees of B. S., M. D., C. M., are conferred upon successful candidates.

The requirements for admission to the six year course are the same as those for entrance to the academic college—a four year's course in high school, normal school, or academy.

## Admission to Advanced Standing

Students from *accredited medical schools only* will be allowed advanced standing. Each applicant must furnish to the Registrar, first, *certificates of attendance* of at least *seven* months in each year for which he desires time allowance from this school; second, *a record of work* from some officer of the school, which he has attended, which record will be verified by correspondence between the two schools; third, a *catalogue* of the school in which he has done the work for which he desires credit in this school.

On verification of this evidence, the Registrar will furnish to applicants cards of admission to the second, third, or fourth year classes, for advanced standing of one, two, or three years. The college reserves the right to require examinations on any and all subjects in its curriculum, should the record of the student be in any way not satisfactory.

## Registration

At the commencement of each term students are required to enroll their names and residences in the register of the college. This register is closed on the twentieth day of October in each year. Fees are payable to the Treasurer or Registrar, and must be paid at the time of registration.

*Registration will not be granted to any student who has more than two conditions; and both conditions must be in the year preceding the one for which he registers.*

## Examinations

Final examinations are held in all subjects, either on completing the subject (half year subjects only) or at the end of the session.

Regular attendance is required of each student, and *no student will be allowed to take the final examination in any subject in which he has failed to attend 85 per cent. of the work.*

Should any student fail in any branch he will be notified of such failure by the Registrar, who will furnish to each student, within six weeks of the final examinations, a record of the year's work.

Upon notification of failure by the Registrar it devolves on the student to take the examination for conditioned students, held soon after the opening of the session.

*Failure to pass the regular examination and one conditioned examination must be followed by the repeating of the lectures in the conditioned subjects on the part of the unsuccessful student. Repeating of lectures must also follow failure to attain 85 per cent. of attendance.*

Conditioned examinations will be held Saturday, September 29, 1906.

## Grades

The marks issued by this college to students will be of three grades only, as follows:

“Failed” (red ink) which means that the candidate has failed to attain a record of 70 per cent, unless the subject be one printed in italics in the “Division of Subjects.” If the subject be so printed “failed” shall be also construed as falling below the pass mark, which is,

however, in subjects printed in italics, not 70, but 75 per cent. In either case, the unsuccessful student may attempt one conditioned examination, and only one; should he again fail he must repeat all lectures in the subject. There will be but one conditioned examination during 1906-07, held September 29, 1906. Special conditioned examinations are discouraged and can only be granted by special vote of the faculty. For each special examination so voted, a fee of five dollars will be exacted.

"Passed" (black ink) signifies that the candidate has attained a grade between the passing mark (70 or 75, depending on the subject) and the "cum laude" mark, which is 90 per cent.

"Passed" (green ink) means that his mark in that subject is 90 per cent or over.

## Requirements for Graduation

Candidates for the degree of Doctor of Medicine and Master of Surgery (M. D. C. M.) conferred by this college, must possess the following qualifications:

- (1) They must be over twenty-one years of age.
- (2) They must be of good moral character.
- (3) They must have spent four full years in the study of medicine.
- (4) They must have attended four full courses of lectures, of at least eight months each, the last of which must have been in this college, and the three former in this or some other recognized regular college of medicine.
- (5) They must have passed satisfactory examinations in the various branches of study, in accordance with the curriculum of this college.

- (6) They must have attained an average of at least 75 per cent in scholarship.
- (7) They must have paid all fees in full.

## Diplomas

*Diplomas will be conferred only at commencement.* Should any fourth year student fail to pass his regular examinations at the end of the session, he may attempt the conditioned examination at the opening of the following session; should he then remove all conditions, he will be granted a certificate to that effect, which will enable him to at once go before the state board of examiners as a graduate of this school; but his diploma will not be conferred until the following commencement.

## Fees and Expenses

Students of this college will be uniformly charged as follows:

First year of attendance:

Matriculation .....	\$ 5.00
Tuition .....	80.00
Use of microscopes, and breakage in chemical laboratory .....	5.00
Total first year	\$90.00

Second year:

Tuition .....	\$80.00
Use of microscopes, and breakage in chemical laboratory .....	5.00
Material in practical anatomy .....	7.50
Total second year	\$92.50

Third and Fourth years:

Tuition, per year.....	\$80.00
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NOTE.—The City and County Hospital, St. Paul, makes a charge of \$3.00 per student for attendance on clinics.

*Fees are paid invariably in advance: One-half at the opening of the session, and one-half on or before the first of February.*

*The college reserves the right to change the fees at any time through publication in its annual announcement.*

There are no fees for special courses or quizzes in this college. No instructor, dispensary physician or professor is allowed, under any circumstances whatever, to receive a fee for instruction.

### Board and Lodging, Etc.

The expense of living in Minneapolis is less than in most other large cities. Students obtain board and room-rent for \$20.00 to \$25.00 a month, and this sum may be considered adequate for the ordinary expense of a student at this school. The expense for books varies between \$20.00 and \$30.00 a year.

Text-books and supplies can be obtained of the College Janitor.

For further information, address

EDGAR M. DUNN, Secretary,  
College Building, Seventh Ave. and Fifth St. S.,  
Minneapolis, Minn.

## DIVISION OF SUBJECTS

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The course of instruction in this college consists of a four years' graded series of lectures, recitations, clinics and laboratory exercises. Each session is of eight and one half months' duration, and the subjects are arranged as follows:

### First Year

*Histology.*  
*Embryology.*  
*Anatomy.*  
*Osteology.*  
*Chemistry.*  
*Physiology.*  
*Pharmacology.*

### Second Year

*Anatomy.*  
Medical Chemistry.  
*Physiology.*  
*Materia Medica.*  
*Pathology.*  
Apparatus and Bandaging.  
Physical Diagnosis.

### Third Year

*Therapeutics.*  
Electro Therapeutics.  
*Surgical Anatomy.*  
*Pathology.*  
Bacteriology.

Dermatology and Genito-Urinary Diseases.  
*Obstetrics.*  
*Gynecology.*  
*Theory of Medicine.*  
*Principles and Practice of Surgery.*  
*Physical Diagnosis and Clinical Medicine.*  
Dietetics.  
Clinical Microscopy.

#### Fourth Year

*Practice of Medicine.*  
*Principles and Practice of Surgery.*  
*Physical Diagnosis and Clinical Medicine.*  
*Operative and Clinical Surgery.*  
*Obstetrics.*  
*Gynecology.*  
*Paediatrics.*  
Preventive Medicine and Medical Insurance.  
Medical Jurisprudence.  
*Neurology.*  
Psychological Medicine.  
Ophthalmology and Otology.  
*Laryngology.*  
*Orthopedic Surgery.*  
*Proctology.*  
*Diseases of the Chest.*  
*Diseases of the Blood and Ductless Glands.*

## TABULAR VIEW

First Year

First Year	Second Year	Third Year	Fourth Year
Histology.	Medical Chemistry and Toxicology.	*Surgical Anatomy.	Practice of Medicine.
Histology Laboratory.	Embryology.	Therapeutics.	Principles and Practice of Surgery.
Embryology.	General Chemistry Lab.	Pathology.	Clinical Medicine.
Embryology Lab.	General Chemistry.	Bacteriology.	Operative and Clinical Surgery.
Anatomy.	Anatomy.	Bacteriology Laboratory.	Obstetrics.
General Chemistry Lab.	Physiology.	Dermatology.	Gynaecology.
Anatomy.	Physiology Laboratory.	Genito-Urinary and Venereal Diseases.	Paediatrics.
General Chemistry Lab.	Physiology.	Theory of Medicine.	*Hygiene.
Osteology.	Materia Medica.	Physical Diagnosis.	*Medical Insurance.
Physiology.	Materia Medica.	Obstetrics.	*Medical Jurisprudence.
Physiology Lab.	Laboratory.	Gynaecology.	Neurology.
Pharmacology.	Pathology.	Principles and Practice of Surgery.	*Psychological Medicine.
Pharmacology Lab.	Pathology Laboratory.	*Apparatus and Bandaging.	Ophthalmology and Otolaryngology.
Pharmacology.	*Physical Diagnosis.	Clinical Medicine.	Laryngology.
Pharmacology Lab.	Clinical Microscopy.	Clinical Surgery.	*Orthopaedic Surgery.
	*Electro Therapeutics.	Clinical Dietetics.	*Proctology.
			Diseases of the Chest.
			*Diseases of the Blood and Ductless Glands.

**NOTE.—**Final examinations in all subjects. Attendance and quizzes required in all other subjects.

Lectures in these courses occupy less than full session.

**SCHEDULE 1906-07**  
**FIRST YEAR**

Hour	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Physiology. Dight.	Anatomy. Quiz. Beachler.	Physiology. Dight.	Physiology. Laboratory. Dight.	Physiology. Dight.	
10-11	Anatomy. (Half Session.) Dreisbach.	Pharmacology. Taft.	Osteology. Dreisbach.	Pharmacology. Laboratory. (Half Session.) Taft.	Anatomy. Dreisbach.	
11-12	Chemistry. E. Dunn.	Histology. Swinnerton.	Chemistry. E. Dunn.	Chemistry. E. Dunn.	Embryology. Swinnerton.	
2-3	Chemistry. Laboratory. E. Dunn.	Histology. Laboratory. (Half Session.)	Chemistry. Laboratory. E. Dunn.	Chemistry. Laboratory. E. Dunn.	Histology. Laboratory. (Half Session.)	
3-4		Embryology. Laboratory. (Half Session.)			Embryology. Laboratory. (Half Session.)	Swinnerton.

**SCHEDULE 1906-07**  
**SECOND YEAR**

Hour	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Physiology. Dight.	Pathology. Watson.	Physiology. Dight.	Pathology. Watson.	Physiology. Dight.	Physical Diagnosis. Bradley. 8 weeks.
10-11	Physiology. Laboratory. Dight.	Anatomy. Dreisbach.	Pathology. Laboratory. L. Dunn.	Anatomy. Dreisbach.	Apparatus and Bandaging. Johnson. 16 weeks.	Pathology. Laboratory. L. Dunn.
11-12		Materia Medica. Williams.		Materia Medica. Williams.	Chemistry. E. Dunn.	
1-2				Anatomy. Quiz. Disen.	Anatomy. Laboratory. Disen. 20 weeks.	Anatomy. Laboratory. Disen. 20 weeks.
2-3				Chemistry. E. Dunn.		
3-4					Chemistry Laboratory. E. Dunn. 24 weeks.	Materia Medica. Laboratory. Williams. 16 weeks.
4-5						

# SCHEDULE 1906-07

## THIRD YEAR

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HAMLINE UNIVERSITY.

Hour	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Pathology. Watson.	Surgery. Byrnes.		Physical Diagnosis. Bradley.		Surgery. Sweetser.
*Surgical Anatomy. Dreisbach.	Theory of Medicine. Peters.	Surgery Clinics. St. Paul.		Dermatology and Genito Urinary Diseases. Crume.	Surgery Clinics. Minneapolis.	Gynecology. G. Barton.
*Electro Therapeutics, Stuart.				Bacteriology. Laboratory. Corbett.	Bacteriology. Laboratory. Corbett.	Bacteriology. Corbett.
11-12	Bacteriology. Laboratory. Corbett.	Medical Clinics. St. Paul.		*Pathological Clinic. St. Paul.	Dispensary Clinics.	Medical Clinics. Minneapolis.
12:30 to 2:30	Dispensary Clinics.					Dispensary Clinics.
2:30 to 3:30						2-3 Clinical Microscopy. Laboratory. W. Bartlett.
3:30 to 4:30	Obstetrics. Hallowell.					3-4 Post Mortems. Corbett.
4:30 to 5:30	Therapeutics. Gordon.					Therapeutics Williams.

\* Half Session only.

## HAMLINE UNIVERSITY.

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FOURTH YEAR						
Hour	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Eye and Ear. Spratt.	Surgery. Sweetser.	Surgery Clinics. St. Paul.	Medicine. Moore.	Surgery Clinics.	Surgery. Byrnes.
10-11	Hygiene and Medical Ins. McCollom.	Gynecology. G. Barton.	Surgery Clinics. St. Paul.	Nose and Throat. Watson.	*Blood and Ductless Glands. Bradley.	
11-12	*Psychological Medicine. C. Bartlett. *Diseases of the Chest. Thomas.	Hospital Medical Clinics.	Hospital Medical Clinics. St. Paul.	Medical Quiz. Sivertsen. I	Pediatrics Clinic.	Jurisprudence. E. Barton. 24 weeks.
12:30 to 2:30	Dispensary Clinics.	1-2 Hospital Medical Clinics.	1-2 *Pathological Clinic. St. Paul.	Gynecology Clinic and Quiz. Sivertsen. 24 weeks. Operative Surgery. Disen. 8 weeks.	1-3 Gynecology Clinics.	Dispensary. Clinics.
2:30 to 3:30	Proctology. 24 weeks.	2-3 Pediatrics Clinic.	2-3 *Gynecological Clinic. *Eye and Ear Clinic. St. Paul.	2-3 Surgery Quiz. Johnson. 24 weeks. Operative Surgery Disen. 8 weeks.	3-4 Obstetrics. Hallowell.	Contagious Disease Clinic.
3:30 to 4:30	Obstetrics. Hallowell.	3-4 Neurology Clinic.	3-4 Eye and Ear. Clinic. St. Paul.	4-5 Obstetrics. Hallowell.	4-5 Neurology Clinic.	
4:30 to 5:30	*Diseases of Chest. Poehler.	Neurology. Crafts.	Neurology Clinic. St. Paul.	Pediatrics. Knights.	5-6 Orthopedic Surgery. Hvoslef. 24 weeks.	
				5-6 Obstetrics Clinic. St. Paul.		

\*Half Session only.

## COURSE AND METHODS OF INSTRUCTION

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### Anatomy and Osteology

The course in Anatomy consists of didactic lectures and practical exercises under the direction of the demonstrator. A careful study of the human body is made the chief object of the course, the didactic and other work being supplemental to that of the dissecting room. Each student will be required to dissect one entire half of the cadaver. A minimum requirement of ninety-two hours' work will be exacted for each dissection, or one hundred and eighty-four hours for each student.

The work in Anatomy covers two and a half years' instruction. Plates, diagrams, models, and frozen sections are used freely in illustration. Frequent recitations and quiz classes are made a feature of the work. Boxes containing half skeletons are provided for use of the students.

*First Year*.—Two lectures per week first half session and three lectures a week second half session. Prof. Dreisbach.

Quiz work once a week, all session. Dr. Beachler.

*Second Year*.—Two lectures a week, entire session: Prof. Dreisbach.

Dissections and demonstrations in the anatomical laboratory. Dr. Disen.

Quiz work once a week, all session. Dr. Disen.

*Third Year*.—Surgical Anatomy once a week, first half session, with continual demonstration on the subject. Prof. Dreisbach.

Text Books.—Anatomy—Morris, Gray, Cunningham, Gerrish, Quain.

Practical Anatomy—Holden, Cunningham.

Surgical Anatomy—Treeves, Morris.

Collateral Reading—Weisse's Practical Human Anatomy, Deaver's Surgical Anatomy. McClellan's Regional Anatomy, Holden's Osteology.

## Histology

Since a knowledge of the normal microscopic structure of any organ is necessary in order either to understand the functioning of the organ or to recognize structural changes of a pathologic nature, the study of histology is made prominent, and a constant effort is made to connect histological facts with their related physiological facts on the one hand, and with pathological facts on the other. The course is made as practical as possible, emphasizing the work done in the laboratory, and giving students a general knowledge of the laboratory technique, while thoroughly familiarizing them with the microscopic details of all of the tissues. All students are strongly recommended to provide themselves with microscopes, but instruments will be provided by the school for the use of those whose means will not afford purchasing.

*First Year.*—Lectures or recitations one hour a week throughout the session. Laboratory work two hours once a week. Mr. Swinnerton.

*Text-book.*—Normal Histology and Microscopic Anatomy—Ferguson.

Collateral Reading.—Schaefer's Essentials of Histology. Stohr's Manual of Histology. Davidoff and Huber's Text Book of Human Histology. Bohm's Histology.

## Embryology

Studies in Embryology are conducted by lectures and laboratory demonstrations so as to thoroughly acquaint the student with the steps in the development of the body from the ovum to the matured organism. To this end students are furnished sections of embryos from the first few days of development through the various stages of embryo chicks, the foeti of vertebrate animals, and of man. Care is taken by lectures and demonstrations that the student acquires a thorough knowledge of the intricate subject.

*First Year.*—Lectures and recitations one hour a week throughout the session. Laboratory work two hours once a week. Mr. Swinnerton.

*Text Book.*—The Development of the Human Body—McMurrich.

*Collateral Reading.*—Minot's Laboratory Text Book of Embryology.

## Physiology

Physiology is taught by lectures, quizzes and laboratory instruction.

The lectures are replete with demonstrations, affording the students opportunity to see as well as hear. Thus diffusion of gases is shown with the diffusion chambers, osmosis with the osmometer, and oxidation in fluids is exhibited in studying the part these physical and chemical processes contribute in sustaining life. The vital processes are studied by frequent demonstrations on the lower animals, exhibiting facts in respiration, the blood and its circulation, digestion, absorption, secretion, the muscular and the nervous systems. The

student thus studies the body practically and observes the vital phenomena.

*First Year.*—Three lectures a week throughout the year, including recitations on all work covered. Laboratory, one hour a week all session. Prof. Dight.

*Second Year.*—Three lectures a week through the year, work in the laboratory in experimental physiology and physiological chemistry, two hours each week. The whole work thus gone over is reviewed in quizzes before the final written examination is taken. Prof. Dight.

*Text-books.*—Kirk's Physiology. Foster, American Text-book of Physiology.

*Collateral Reading.*—Waller, Human Physiology. Herrmann's Luhrbuch der Physiologie. Halliburton's Text-book of Chemical Physiology. Fick, Compendium der Physiologie.

## Chemistry

The course in this department includes lectures on the principles of chemistry and its nomenclature, with complete qualitative analysis. Urinalysis, organic chemistry and toxicology are included in the advanced work of the second year.

*First year.*—Three lectures a week, continuing through the session, laboratory work two hours three times a week, and recitations each week. Prof. Dunn.

*Second Year.*—Two lectures a week through the session with recitations, covering successively organic chemistry, urinalysis and toxicology. Prof. Dunn. Laboratory work two hours once a week (twenty-four weeks), including clinical chemistry. Prof. Dunn.

*Text-books First Year.*—Remsen's Briefer Course.

*Collateral Reading.*—Witthaus, Manual of Chemistry. Hill, Text-book of Chemistry. Bartley, Text-book of Chemistry. Rockwood, Qualitative Analysis for Medical Students.

*Text-books Second Year.*—Saxe, Examination of Urine. Reese on Toxicology.

*Collateral Reading.*—Purdy's Urinalysis and Urinary Diagnosis. Tyson, Practical Examination of the Urine. Riley, Tox-

icology. Remsen, Organic Chemistry. Witthaus, Hill, Bartley, Hollands, Jones, Long.

## Pharmacology

This subject is taught by lectures, quizzes and laboratory work. The work in the laboratory includes the exhibition of official crude drugs and pharmaceutical preparations of the eighth decennial revision of the Pharmacopoeia. Practical demonstrations are given in preparing Tinctures, Fluid Extracts, Elixirs, Emulsions, Suffusions, Decoctions, Pills, Powders, Capsules, Ointments, etc.

*First Year.*—One lecture each week all session. One hour laboratory half session. Mr. Taft.

*Text-books.*—Pharmacology and Therapeutics (Wilcox) Pharmacology and Therapeutics (Cushny) Thornton's Dose book and Manual of Prescription Writing.

## Materia Medica

This subject is taught by lectures, recitations and written quizzes; exhibition of crude drugs and pharmaceutical preparations. Especial attention is given to the physiological action of drugs. An unusual amount of time is given to the study of this subject.

*Second Year.*—Two lectures a week through the year. Prof. Williams. Laboratory one hour, half session.

*Text-books.*—White's Materia Medica.

## Pathology

This subject is taught by lectures, recitations, frequent quizzes and laboratory exercises, including the making of autopsies and the exhibition and study of the morbid specimens before the class. The study in this

subject is very complete, covering the processes of disease and the general and special causes of morbid change in function and structure. An extensive museum is being rapidly collected which is invaluable in demonstration and illustration. In the laboratory the student observes the finer changes in tissue as shown under the microscope, and is instructed in preparing, staining and mounting specimens for examination.

*Second Year*.—Two lectures a week during the session. Laboratory work two hours twice a week. Prof. Watson, Dr. Dunn.

*Third Year*.—One lecture a week through the year. Prof. Watson. Clinical pathology once a week, half session. Dr. Plondke. Post Mortem one hour a week. Dr. Corbett.

*Text-books*.—Stengel. Delafield & Frudden. Coplin-Ziegler. Thayer.

## Bacteriology

The great advance in the importance of this subject requires a greater proportional amount of time in undergraduate study, and it is accordingly given suitable emphasis. The lectures treat of the subject in general and also of the detail of laboratory technique. The laboratory is equipped with the best apparatus for the practical study of the subject. All the bacteriological work of the city health department and of the Minneapolis City Hospital is done in this laboratory, giving especially fine opportunities for the student.

This year each student was required to work as follows:

To prepare, sterilize, and keep on hand six different kinds of culture media. To make cultures of all of the pus bacteria, and record observations of same. To study, on cover glasses, various organisms in pus. To demonstrate different varieties of pus cells. To make

cultures of Colon Bacilli. To make cultures of Typhoid, and differentiate same from Colon Bacilli. To make Widal reactions. To make mounts from six different specimens of Diphtheria. To stain, in several ways Gonococci. To mount and stain specimens of Tuberle Bacilli. To make plates of mouth bacteria, and prepare cultures from each colony, and study same. To make one analysis of water.

*Third Year.*—One lecture a week. Prof. Corbett. One hour three times a week in the laboratory. Prof. Corbett, Drs. Woodworth and Pettit.

*Text-books.*—Williams' Manual of Bacteriology, Abbott's Principles of Bacteriology, McFarland's Text-book of Pathogenic Bacteria.

## Therapeutics

The work in this subject following the two years' continuous study of pharmacology and *materia medica*, is arranged in close sequence, and gives the student a most complete and comprehensive grasp of the use of purely medicinal treatment. The quiz method is largely used in this branch, together with lectures and demonstrations clinically under this and other chairs.

*Third Year.*—One lecture a week all year. Prof. Williams. Two hours a week through the year. Dr. Gordon.

*Text-books.*—Hare's Practical Therapeutics. White's *Materia Medica* and Therapeutics.

*Collateral Reading.*—Butler, Bartholomew, Shoemaker.

## Dietetics

This course includes a full study of food. Starting with food and food preparations, and including stimulants, beverages, condiments, cooking, food preparation and preservation, the quantity of food required, foods

required for special conditions, food digestion, relation of food to special diseases, diseases which are caused by dietetic errors, administration of food for the sick in all diseases of the organs of the body, diet for surgical patients, and ending with a knowledge of how to prepare food for the sick. The ground is thoroughly covered.

*Third Year.*—One lecture a week through session. Dr. Warham.

*Text Books.*—Thompson Practical Dietetics. Hutchinson, Food and Dietetics, Friedenwald Rurah, Diet in Health and Disease.

## Electro-Therapeutics and Roentgen Ray Work

Under the stress of the rapidly accumulating knowledge of Electricity and other forms of radiant Energy, and of their efficient and wide range of usefulness as remedial agents, it is justly required of the student seeking admission into the ranks of the Medical Profession, that he have a practical acquaintance with these agencies, with the modes of their production and the apparatus required for their generation, for their central and clinical use.

Instruction in this department will cover the elementary principles of these subjects to a degree that will enable the student, through assiduous application and further study, to gain a good working knowledge of them, and to begin their use, in an intelligent manner, in diseased conditions.

Instruction in the construction of apparatus, and its clinical use, will be given as opportunity is afforded.

*Third Year.*—One lecture a week, half session. One clinic a week, all session. Prof. Stuart.

## Theory and Practice of Medicine

This course includes a full and exhaustive study of the various systemic diseases and the minute consideration of each; the pathological basis being given especial consideration. This course extends through two years, with final examination on the Theory of Medicine at the end of the third year and Practice at the end of the fourth year.

*Third Year*.—One lecture a week through the session. Dr. Peters.

*Fourth Year*.—One lecture a week through the session, with recitations each week on all ground covered. Prof. Moore.

*Fourth Year*.—Diseases of the Blood and Ductless Glands. One lecture a week first half session. Prof. Bradley.

*Text-books*.—Rogers' Introduction to the Study of Medicine. Tyson's Practice of Medicine. Ander's Practice of Medicine. French's Practice of Medicine. Osler's Practice of Medicine. Thompson's Practice of Medicine. Hare's Practice of Medicine. Butler's Medical Diagnosis. Musser's Medical Diagnosis.

*Collateral Reading*.—Strumpell's Text-book of Medicine.

## Physical Diagnosis and Clinical Medicine

The work in this department is commensurate with its importance, and is thoroughly systematized. It consists of didactic lectures on all methods and means of procedure in diagnosis, and also the consideration of disease from the standpoint of the clinician. Ample general clinics are conducted, and much work is done in small sections, drilling the students in the observation and recognition of both normal and abnormal physical signs.

*Second Year*.—Quarter session, one hour a week. Physical examination of normal chest, and practice in the technique of physical diagnosis. Prof. Bradley, Prof. Poehler, Dr. Bartlett.

*Third Year.*—Lecture once a week through the session. Prof. Bradley. General clinics twice a week in the hospital amphitheaters of the Twin Cities. Prof. Meade, Prof. Bradley.

*Fourth Year.*—General clinics twice a week. Section clinics daily. A great part of the work being in small sections, with the personal attention of the instructors. Profs. Meade, Bradley and Poehler, and Drs. Nippert and Bartlett.

*Text-books.*—Cabot Physical Diagnosis. Jakob Atlas of Internal Medicine. Butler Medical Diagnosis. Vierordt's Medical Diagnosis. Musser's Medical Diagnosis. Gibson and Russell, Physical Diagnosis. LaFevre's Physical Diagnosis. Hare's Practical Diagnosis. Sahli's Diagnostic Methods.

*Collateral Reading.*—Osler's Practice of Medicine. Twentieth Century Practice of Medicine.

## Dermatology

This subject covers the didactic and clinical consideration of diseases of the skin, and is fully illustrated by colored plates and drawings.

*Third Year.*—One lecture and two clinics a week during first half of session. Prof. Crume.

*Text-books.*—Jackson, Walker, Morris, Schamberg's Compend.

*Collateral Reading.*—Crocker. Hyde. Van Harlingen. American Text-Book. Stelwagon.

## Genito-Urinary Diseases

Lectures on the diseases of the sexual and urinary apparatus, together with ample clinical study at the hospitals and dispensaries.

*Third Year.*—Two lectures and clinics a week during the second half of the session. Prof. Crume.

*Text-books.*—Morton. Keyes. White and Martin. American Text-Book.

## Neurology

The course in this subject includes didactic lectures on the anatomy and physiology of the nervous system, with demonstrations by fresh and hardened specimens; models, plates and diagrams; concise consideration of a carefully selected group of diseased conditions, and clinical study and demonstration with special attention to treatment, including electro-therapeutics.

*Fourth Year.*—One lecture and one clinic a week for the entire session. Prof. Crafts.

*Text-books.*—Mettler's Nervous Diseases. Pott's Nervous and Mental Diseases. Jakob. Oppenheim's Diseases of the Nervous System. Church and Peterson's Nervous and Mental Diseases. Dercum's Nervous Diseases by American Authors. Mills' The Nervous System and its Diseases. Gower's Diseases of the Nervous System. Bramwell's Diseases of the Spinal Cord.

*Collateral Reading.*—Dana's Text-book of Nervous Diseases. Strumpell's Text-book of Medicine. Sach's Nervous Diseases of Children. Harter's Manual of Diagnosis of Nervous Diseases. Gardinier's Anatomy of the Nervous System.

## Psychological Medicine

In this subject the complete course is confined to detailed study of the various forms of mental diseases and aberration.

*Fourth Year.*—One lecture a week during first half of session. Prof. Bartlett.

*Text-books.*—Berkeley. Clouston. Spitska. Chapin. Shad-dock.

*Collateral Reading.*—J. Bevan Lewis. Hyslop, Mental Physiology. Kraepelin, Psychiatrie. Tuke's Dictionary of Psychiatric Medicine. Brower and Bannister, Practical Manual of Insanity. Church and Peterson.

## Proctology

The course in this subject consists of didactic lectures and clinical instruction and demonstrations.

*Fourth Year.*—One lecture a week twenty-four weeks.

*Text-books.*—Tuttle. Gant. Matthews.

*Collateral Reading.*—Allingham. Cripps. Ball.

## Surgery

This branch is covered most thoroughly, including didactic lectures on the practice of surgery with especial attention to diagnosis and treatment. Under the principles of surgery minute attention is given to surgical pathology, the course covering two years in continuous sequence. A separate course in operative surgery is given, showing operative technique and demonstrating the various operations on the cadaver. This course also includes instruction in apparatus and bandaging. The hospitals in Minneapolis and St. Paul furnish a wealth of material for clinical purposes in this branch.

*Third Year.*—Practice of Surgery, one lecture a week. Prof. Sweetser. Principles of Surgery, one lecture a week. Prof. Byrnes.

*Fourth Year.*—Principles of Surgery, one lecture a week. Prof. Byrnes. Practice of Surgery, one lecture a week. Prof. Sweetser.

*Fourth Year.*—Course in operative surgery on the cadaver. Dr. Disen.

*Fourth Year.*—Course in Orthopaedic Surgery, one lecture a week, twenty-four weeks. Dr. Hvoslef.

Principles and Practice of Surgery.

*Text-books*—Rose and Carless. American Text-book of Surgery. Roswell Park's Surgery. Vaughan's Surgery.

*Collateral Reading.*—Berg's Surgical Diagnosis. Stinson on Fractures and Dislocations.

Operative Surgery.

*Text-book.*—Bickhem's Operative Surgery.

Collateral Reading.—International Text-book of Surgery.  
Bryant's Operative Surgery. Binne's Operative Surgery.

## Clinical Surgery

*Third and Fourth Years.*—A two-hour clinic is given each week at some one of the hospitals in Minneapolis and one in St. Paul of the same length. Prof. Sweetser, Prof. Byrnes, Prof. Shimonek, Prof. Schwyzer, Dr. Hvoslef.

*Second Year.*—Instruction in apparatus and bandaging, one lecture a week, half session. Dr. Johnson.

## Gynecology

Gynecology is taught by didactic lectures and recitations; by clinical instruction, and by demonstration on the cadaver. The course in clinical gynecology comprises the general clinics given at the various hospitals, and instruction given to the fourth year class (in sections) on examinations, diagnosis, and treatment.

*Third Year.*—Lectures once a week during session. Prof. Barton.

*Fourth Year.*—Lectures once a week all session. Prof. Barton. Clinics two hours twice a week. Profs. Barton and Renz.

*Text-books.*—Montgomery's Practical Gynecology. Reed's Text-book of Gynecology. Hirst's Text-book of Diseases of Women.

## Obstetrics

This chair combines didactic teaching with searching oral and written quizzes, and demonstrations on the manikin and charts.

*Third and Fourth Years.*—Two lectures a week during the full session. Prof. Hallowell. Clinical observation and personal

conduct of cases under the direction of Prof. Hallowell and Drs. Stevens, Gordon and Sivertsen.

*Text-books.*—Edgar. Williams. Hirst. Jewett. Garrigues. King's Manual American Text-book of Obstetrics.

## Ophthalmology and Otology

In this department instruction combines didactic teaching with thorough quizzes and ample clinical opportunities at the dispensaries and hospitals for the study of the medical and surgical treatment of these organs.

*Fourth Year.*—Lectures once a week. Prof. Spratt. Clinic, one hour in sections, twice a week. Prof. Simpson. Clinic, two hours once a week. Prof. Boeckmann and Nelson.

### OPHTHALMOLOGY.

*Text-books.*—Fricke, Noyes.

Collateral Reading.—Schweinitz. Fuchs. Loring on the Ophthalmoscope. Landolt on Refraction and Accommodation.

### OTOLOGY.

*Text-books.*—Field. Politzer. Hovell.

Collateral Reading.—Buck's Manual of Diseases of the Ear. Bosworth.

## Paediatrics

Didactic lectures form a large part of this course, with special attention to infant feeding and the observation and care of the child. The clinical opportunities are also ample.

*Fourth Year.*—One lecture a week throughout the year. Prof. Knights. Clinics once a week.

*Text-books.*—Holt. Rurah. Taylor and Wells.

Collateral Reading.—Rotch's Paediatrics. American Text-book of Diseases of Children. Koplik's Diseases of Children.

## Diseases of the Nose and Throat

Instruction in this subject consists of lectures and demonstrations in the clinic, including practical training in the use of instruments, the class being divided into small sections as in other special clinics.

*Fourth Year.*—Didactic lectures once a week throughout the session. Prof. Watson. Clinics each week. Prof. Watson.

*Text-books.*—Knight. Bishop. Coakley. Gradle. Price-Brown.

## Diseases of the Chest

This course consists of didactic lectures confined exclusively to the thoracic contents dealing theoretically with the signs of health and disease; and the treatment of the diseases of the heart and lungs.

*Fourth Year.*—One lecture a week throughout the session. Profs. Poehler and Thomas.

*Text-books.*—Tyson's Practice of Medicine. Osler's Practice of Medicine.

*Collateral Reading.*—Nothnagel's Encyclopedia of Practical Medicine. Allbutt's System of Medicine.

## Hygiene and Medical Insurance

These combined subjects are grouped in a complete and sequent course, falling together naturally. The session is divided between them, the one merging into the other naturally. The student is taught the various accepted means of prevention as commonly enforced by health officials as well as the general concerns of prophylaxis, and finally the essentials of correct insurance examinations.

*Fourth Year.*—One lecture a week. Prof. McCollom.

*Text-books.*—Harrington's Practical Hygiene. Abbott's Hygiene of Transmissible Diseases. Egbert's Hygiene of Sanitation.

*Collateral Reading.*—Rohe's Text-book of Hygiene. Bergey's Principles of Hygiene. Thompson's Practical Dietetics.

## Medical Jurisprudence

This subject comprises lectures upon malpractice, poisoning, insanity, duties of coroners, and other matters of a medico-legal nature. The lectures are given by a practical lawyer with a view of aiding the physician to apply, when called in courts, his knowledge of the different branches of medicine to the purpose of the law.

*Fourth Year.*—One lecture a week twenty-four weeks. Prof. E. Barton.

*Text-books.*—Reese. Taylor.

## Clinical Microscopy and Diagnosis

The course consists of didactic lectures and laboratory work, with occasional quizzes. In the lectures, the aim will be to thoroughly cover the present views regarding the various body secretions and excretions, their normal functions and pathologic significance. In the laboratory the student will be drilled in the identification of substances found normally or abnormally, special importance being laid upon diagnosis by clinical methods. In the dispensary laboratory, the student will be expected to apply the information obtained from the didactic and laboratory courses as aids in differentiating the different diseases encountered. The following subjects will be considered:

1. The urine. A brief review of the important chemic findings, the significance and differentiation of organized and unorganized sediments.
2. The blood. Enumeration of the red and white cells, the differential leucocyte count, hemoglobin estimations, the study of stained preparations of normal and pathologic blood, the study of the malarial parasite, and the differential diagnosis of the various forms of anemia.
3. The gastric contents. Tests for the different constituents of the gastric juice and quantitative estimations of free and combined hydrochloric acid. The differential diagnosis between carcinoma, ulcer, hyperchlorhydria, and hyperacidity.
4. Vaginal discharges.
5. Transudates and exudates.
6. Sputum.
7. The feces, and the animal parasites.

*Third Year.*—One lecture once a week during the entire session. Laboratory one hour a week all the session. Dr. W. Kay Bartlett.

*Text-book.*—Clinical Diagnosis, Boston.

*Supplementary Reading.*—Clinical Diagnosis, Simon. Atlas of Internal Medicine and Clinical diagnosis, Jakob. Haematology, DaCosta. Clinical Pathology of the Blood, Ewing. Diagnosis, Musser. Diagnostics of Internal Medicine, Butler.

## STUDENTS

1905-06

## FOURTH YEAR

ALMKLOV, LEIF,	Cooperstown, N. D.
BOUCHER, FRANK X.,	Fond du Lac, Wis.
BRASSETT, ALBERT,	Halstad
BUTTURFF, CARL R.,	Wadena
DOHM, ARTHUR J.,	St. Paul
EHMKE, WILLIAM C.,	Le Sueur
FROEHLICH, HERMAN W.,	St. Clair
GRAHAM, J. H.,	Glendive, Mont.
GROVER, FRED C.,	Minneapolis
HANSON, H. H., A. B.,	Belgrade
HEDDING, JOS. A.,	Minneapolis
JOHNSON, A. E.,	Minneapolis
JOHNSON, JULIUS,	Sacred Heart
LITCHFIELD, JOHN T.,	Minneapolis
MCLEAN, NEAL B.,	Edmore, N. D.
MELLENTHIN, MICHAEL A.,	Sleepy Eye
MONAHAN, ELIZARETH STEVENS,	Minneapolis
MONAHAN, ROBERT H.,	Minneapolis
MOYNIHAN, T. J.,	River Falls, Wis.
OSEBURN, BURT F.,	Minneapolis
RIDGEWAY, FLORENCE M.,	Minneapolis
SENN, EDWARD W.,	Kasson
SHELLMAN, CARL J.,	Amor
STERNER, ERNEST G.,	St. Paul
SWINNERTON, GEO. F., A. B.,	Minneapolis
THAUWALD, C. C.,	St. Paul
TROOIJEN, P. O.,	Hendricks
VOYER, EMILE O.,	Minneapolis

## THIRD YEAR

AUNE, MARTIN,	Minneapolis
BAKER, HARRY R.,	Wood Lake
BARRINGER, PAUL E.,	St. Paul
BECHTEL, RAYMOND E.,	Minneapolis
CROSBY, ERLE B.,	Kasson
ERICKSON, H. C., A. B.,	Argyle, Wis.
GUNDERSON, R. M.,	Stephen
HAUGE, MALVIN M.,	Minneapolis
JENSEN, THORVALD J.,	Clifford
JOISTAD, ARTHUR H.,	St. Paul
LAWIS, CARL H.,	Minneapolis
LEEDAHL, O. S., A. B.,	Power, N. D.
MORK, BYRON O., Ph. B.,	Wood Lake
MURRAY, JAMES,	Rochester
NORMAN, FRANK,	Henderson
O'DONNELL, J. E.,	Minneapolis
PHILLIPS, ALBERT E.,	Big Stone, S. D.
REXFORD, LUTHER A.,	Minneapolis
TAFT, JOHN O.,	Minneapolis
TRAINOR, M. E.,	Wilton, Wis.
WILLIAMS, WALTER J.,	Minneapolis

## SECOND YEAR

ANDERSON, WILLIAM A.,	Hopkins
BEARDSLEY, GRANT S., Ph. B..	Yucca, N. D.
CLAY, A. J.,	Waterville
CLAY, FRANK,	Minneapolis
COWGILL, CHAS. H.,	Redwood Falls
DEZELL, EARL,	Sunset, Wash.
EICHLER, W. C.,	Ada
EVARTS, ARRAH B.,	Mantorville
FROYLAND, T. J.,	Minneapolis
GIBBS, W. H. G.,	Selkirk, Manitoba, Can.
GIRVIN, RICHARD,	Mankato
GOLTZ, EDWARD V.,	St. Paul
HALL, H. H.,	St. Paul
HERON, ROY C.,	St. Paul
HOLLANDS, W. H.,	Winnipeg, Can.
JACQUOT, G. L.,	Osceola, Wis.
JOHNSON, EINER W.,	Warren

KELLS, OAKFORD,	Sauk Center
KENNEDY, EDWARD F.,	Minneapolis
KERRICK, STANLEY E.,	Troy, Pa.
KINGSLEY, R. J.,	Anaconda, Mont.
LEE, JOHN W.,	Minneapolis
MASONI, EDWARD,	Minneapolis
MILLER, TROY S.,	Minneapolis
MOATS, VIRGIL H.,	Moats, Ohio
NELSON, WALTER P.,	Barnesville
OLSON, REINHART G.,	Nicollet
OSTRANDER, ARLEY J.,	Minneapolis
PATTERSON, CHARLES H.,	Barnesville
PAULSON, THEODORE S.,	Dalton
PLANKERS, ARNOLD F.,	St. Paul
SCHMIDT, GEORGE F.,	Minneapolis
SCHOCH, ROBERT B. J.,	St. Paul
SCHONS, EDWARD,	St. Paul
SMITH, R. E.,	Moorhead
SODERQUIST, ARTHUR R.,	Lafayette
VALLANCEY, JOHN,	Graceville
WRIGHT, S. G.,	Minneapolis

## FIRST YEAR

BEARDSLEY, WAYNE R.,	Minneapolis
BORGLAND, CHARLES,	Minneapolis
BRADY, PHILIP J.,	Hastings
BRADY, RICHARD J.,	Hastings
CHAPMAN, MARY M.,	Milbank, S. Dak.
CRAMMER, RICHARD R.,	Beardsley
DICKEY, ROBERT R.,	Minneapolis
EGGEN, OLAF K.,	Fort Ransom, N. Dak.
GELZ, JOHN J.,	Minneapolis
GHOSTLEY, FRED J.,	Anoka
GILKEY, SETH E.,	Minneapolis
GOODISON, W. L. T.,	Larimore, N. Dak.
HAVERSTOCK, ARTHUR D.,	Minneapolis
HOLCOMB, JOEL T.,	Otisville
INGERSON, CARL A.,	St. Paul
KAUFHOLD, GEO. F.,	Lancaster, Pa.
LEIBOLD, HERBERT H.,	New Ulm
LOMMEN, CLARENCE J.,	Crookston

MACDONALD, DANIEL A.,	Wabasha
MARTIN, SETH H.,	Minneapolis
MERRITT, DON C.,	Minneapolis
RATH, GEO. C.,	Barnesville
ROSENWALD, JOHN P.,	Madison
ROUNSEVELL, GLENN A.,	River Falls, Wis.
SCHNACKE, ROY A.,	St. Paul
SIMON, GEO. H.,	St. Paul
SKEMP, FRANK,	Cloquet
THORNBY, HALLWARD J.,	Dawson
TRENKLE, HENRY L.,	Buffalo, N. Y.
VADHEIM, ALFRED L.,	Garretson, S. Dak.
VAN DEBOGET, LEWIS,	Minneapolis
WESTERMAN, FRED C.,	Montgomery
WHEELER, ALFRED M.,	Minneapolis

## DEGREES

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On Monday, Class night, June 5th, 1905, degrees were conferred as follows:

M. D., C. M., *Cum Laude.*

PETERSON, GEO. C., SCHUSSLER, OTTO F.,

M. D., C. M.

Cox, ROBERT M.,	PETERSON, GEO. E.,
FLYNN, WILLIAM T.,	POST, JAMES O.,
KOLSET, CARL D.,	SCHUSSLER, OTTO F.,
LINDBERG, CHARLES,	STONE, EVAN,
LINDE, HERMAN,	TALBOT, ADA E.,

## ALUMNI

ABRAMOVICH, Jos. H., '05,	St. Paul
ALLEN, Jos., D. V. S., '01,	White Rock, S. D.
ATHERTON, C. O., '91,	
BAIER, FLORENCE C., '97,	Minneapolis
BAKKE, O. H., '96,	Minneapolis
BARTON, EDGAR R., '01,	Frazee
BLISS, GEO. W., '95,	Valley Springs, S. D.
BENN, FERDINAND G., '03,	Kulm, N. D.
BERGQUIST, KARL E., '97,	Cokato
BEVAN, CHARLES J., '97,	Minneapolis
BIORN, NELS A., '01,	Ada
BJORNEBY, PETER C., '97,	Bagley
BLOMBURGH, AXEL F., '97,	St. Hilaire
BLOOM, WILLIAM D., '01,	Minneapolis
BLAKESLEE, FRANK, '97,	Bemidji
BOHLAND, E. H., '03,	Hanover
BONG, JOHN H., '97,	Jasper
BURNES, CATHERINE A., '96,	Hopkins
BROWN, EDWARD I., '00,	St. Paul
BRUSTAD, AXEL, '02,	Deceased
BURLINGAME, R. M., '99,	Watertown, S. D.
BURTON, PAUL H., '01,	Fargo, N. D.
CALDWELL, D. K., Ph. B., '03,	Milaca
CARLSON, SWAN A., '01,	Deceased
CARPENTER, GRANT S., '01,	Porter
CARTER, JOS. A., B. A., '98,	Royalton
CHANCE, JENNER P., '00,	Verdigre, Neb.
CHEDECK, BENJ. H., '03,	Lidgerwood, N. D.
CHRISTENSEN, WALTER, '04,	Conway, N. D.
CHURCH, RICHARD J., '95,	Minneapolis
CLARK, EDWARD, J., '98,	Renville
CLAY, EDWARD M., '93,	

CLEMENTS, STANLEY, '04,	Williston, N. D.
COFFIN, GEO. H., '04,	Bonner's Ferry, Idaho
CONYNGHAM, E. F., '86,	Phillipsburg, Mont.
COOPER, DENTON J., '03,	
COX, ROBERT M., '05,	Edmore, N. D.
CRAMOND, JAMES E., '03,	Mohall, N. D.
CRESWELL, WILLIS W., '97,	Minneapolis
DAILY, MILTON, '95,	Sioux City, Iowa
DAVID, OSCAR F., '95,	Utica, Mont.
DAVIDSON, P. C., '04,	Clara City
DEALEY JULIA, '97,	
DEAN, HARRIS, '03,	Kelliher
DEVEREUX, THOMAS, '01,	Deceased
DEERTZ, J. J., '02,	Ipswich, S. D.
DOBSON, WILLIAM C., '96,	Harrisville, Ohio
DINAHAN, RICHARD M., '97,	
DORAN, CHAS. W., B. A., '01,	Montgomery
DORAN, GEO. M., '03,	St. Paul
DORAN, JOHN E., '98,	Minneapolis
DONAHUE, D. J., '99,	Glendive, Mont.
DUMAS, CALIXTE, H. D., '96,	Minneapolis
DOUGLAS, ELMER E., '94,	Hartford, Conn.
DYRNES, JOHN O., '97,	
EGAN, MICHAEL, '91,	Hetland, S. D.
EKREM, JOHN M., '03,	Minot, N. D.
ELTUN, THROND J., '04,	St. Paul
ESSEN, CARL A. C., '95,	Deceased
FARENESS, C. W., '88,	
FARR, JOHN M., '97,	Eau Claire, Wis.
FLATEN, AMOS, '90,	Grafton N. D.
FLEMING, ALOYSIUS S., '97,	Wheaton
FLYNN, WILLIAM T., '05,	St. Paul
FONGER, JAMES H., '00,	Gary, S. D.
FOX, JOHN M., '01,	Osseo
FOWLER, FRED H., '97,	
FRIBERG, CARL P., '03,	Africa
GENDRON, JULES '90,	Grand Rapids
GILL, JOHN R., '00,	San Francisco, Cal.
GLIM NELS N., '98,	Deceased

GOLBERG, MARTIN L., '01,	Twin Valley
GORDON, DAVID, '97,	Albert Lea
GOSSLEE, GILBERT L., '03,	Sanborn
GRONVOLD, FRED O., '01,	Gary
GYLLENBURG, JENNIE, '90,	Minneapolis
HAGEN, GILBERT L., '04,	St. Anthony, Idaho
HARSHBARGER, M. M., '02,	Kewaunee, Ill.
HEFFLIN, H. NELSON, '05,	
HALVORSON, K. K., '99,	
HEIMARK, JACOB H., '03,	Emleton, Cal.
HELGREN, SIGRID, '94,	Minneapolis
HELK, HENRY H., '02,	Deceased
HETLAND, C. L., '93,	Duluth
HIRSCHFIELD, MAX P., '02,	Kalispell, Mont.
HOUSTON, HUGH E., '00,	Minneapolis
HOLEN, TH., '02,	Silver Lake
HOVORKA THOMAS J., '02,	St. Paul
HOVORKA, WENCESLAUS, '97,	Kansas City, Mo.
HUBBARD, EDWARD E., '94,	Moorhead
HUMPHREY, EDWARD, D. V. M., '02,	Minneapolis
HYNES, JAMES, '99,	St. Anthony Park
JACKSON, CAROLINE E., '97,	Mackay, Wash.
JAMES, ROBERT J., '99,	
JAMESON, ADELINA P., '95,	Minneapolis
JERMAN, WILLIAM L., '97,	Groton, S. D.
JONES, JAMES D., '99,	Minneapolis
JOHNSON, AUGUST E., '03,	
JOHNSON, LEWIS O., '98,	Winthrop
JOHNSON OTTO F., '02,	Fosston
KAHALA, ARTHUR A., '02,	Marion, N. D.
KENNEDY, WILLIAM J., '03,	Towner, N. D.
KERMOTT, LOUIS H., '04,	Ada
KIRKHOFF, EDWARD H., '99,	Deceased
KILBRIDE, THOMAS F., '99	
KING, NELSON M., D. M. D., '02,	Crookston
KJELLAND, JACOB S., '98,	Webster, S. D.
KJERLAND, THORSTON N., '98,	Pelican Rapids
KLING, FRITZ L., '03,	Minneapolis
KOHLER, GEO. A., PH. G., '00,	

KOHLER, FRED G., '97,	Stewart
KOLSET, CARL D., '05,	Wendell
KNOTZ, JOHN, '97,	Cologne
KOPPLEBERGER, HARRY W., '97,	Deceased
KRIESEL, W. A., '97,	Milbank, S. D.
KRIEDT, DANIEL J., '00,	Minneapolis
KRON, LAURITZ O., '01,	California
LARSEN, CARL L., '04,	Buffalo
LEBOWSKY, JOSEPH, '04,	Minneapolis
LEWIS, ARTHUR J., '95,	Mora
LIMA, LUDWIG, '03,	Montevideo
LIND, CARL J., '97,	Minneapolis
LINDBERG, CHARLES, '05,	Starbuck
LINDE, HERMAN, '05,	Cyrus
LOBERG, ADOLPH, '99,	Minneapolis
LOCKWOOD, L. S., '94,	Minneapolis
LORD, BERTRAM E., '03,	Glenburn, N. D.
LOWTHIAN, GEO. H., '94,	Hewitt
LUTHER, CLARA M., '01,	Minneapolis
LYONS, ADAM, '98,	Pine City
MALCHOW, CHARLES W., '94,	Minneapolis
MASON, CHARLES H., '99,	Superior, Wis.
McCANN, GEO. E., '02,	Herman
McCOHN, HANNAH, '90,	Motley
McCULLAGH, GEORGE, '03,	Minneapolis
McDOUGALD, D. W., '02,	Larimore, N. D.
McGURREN, CHARLES J., '04,	New Richmond, Wis.
McKEON, PHILLIP, '95,	Montgomery
McKEON, JAMES, '90,	St. Michael
McKEON, OWEN, '00,	Minneapolis
MELECH, HARRY N., '03,	Warren
MELLBY, OSCAR F., '01,	Lebanon, S. D.
MERTENS, JOHN J., '03,	Washington, D. C.
MILLER, ROCK P., '98	Olivia
MILLER, FRED C., '99,	Turtle Lake, N. D.
MILLER, HUGH, '05,	Britton, S. D.
MULLER, HUGO, '96,	Westbrook
MILLER, VICTOR J., '00,	Excelsior
MILES, ROBERT S., '03,	

MINGO, FRANCIS E., '05,	Hamel
MINTENER, JOHN W., '00,	Minneapolis
MITCHELL, RALPH S., '03,	Grand Meadow
MOORE, FRANCIS A., '93,	Lesterville, S. D.
MOORE, GEO. B., '01,	St. Paul
MONAHAN, JOHN A., '02,	Minneapolis
MONAHAN, T. H., '86,	West Jordan, Utah
MOULTON, RACHEL, '02,	Minneapolis
MOYNIHAN, ANDREW F., '03,	Sauk Center
MURPHY, GUY D., '01,	New Rockford, N. D.
MURPHY, WILLIAM B., '97,	Minneapolis
MURRAY, WILLIAM B., '90,	Minneapolis
MUUS, PETER H., B. A., '01,	Kensington
NELSON, EDWARD H., '03	Nashwauk
NICHOLSON, EDWARD J., '02,	
OBERG, OSCAR, '98,	Sioux Rapids, Iowa
OBERG, CARL M., '99,	Minneapolis
OBERG, EMANUEL, '00,	Minneapolis
O'BRIEN, H. JEFFERSON, '95,	Superior, Wis.
O'CONNOR, JERRY P., '00,	Delano
OFSTAD, ARNT E., '04,	Minneapolis
OFTEL, H. A., '02,	Kennedy
OFTEDAL, ARNE, '01,	Bisbee, N. D.
OHNSTAD, JENS, '03,	Mackintosh
OLSON, JENNIE D., '90,	
OREDSON, O. A., '03,	Duluth
OWRE, ALFRED, '95,	Minneapolis
OWRE, OSCAR, '03,	Minneapolis
PECK, LEWELLYN D., '02,	Hastings
PETERSON, ALFRED C., '04,	Dassel
PETERSON, GEO. E., '05,	Detroit
PLEHN, JOHN F., '03,	Evarts, S. D.
POEHLER, FRED C., '03,	Herried, S. D.
POIRIER, ALEX. J., '03,	Forest Lake
POST, JAMES O., '05,	Minneapolis
POWERS, FLETCHER W., '02,	Barrett
PRYCE, ROLAND, '85,	
QUITMEYER, OTTO C., '02,	Parkers Prairie
RANDALL, AUVIGNE, '03,	Underwood

RAINVILLE, SAMUEL, '97,	Kenmare, N. D.
RALEIGH, ROSWELL B., '94,	Sioux City, Iowa
REEVE, EDWARD A. T., '97,	Elbow Lake
REMICK, LOUIS B., '95,	St. Paul
RIDGWAY, ALEXANDER, '94,	Belgrade
RIDGWAY, JOSEPH, '94,	Minneapolis
REINHARDT, WALLACE A., '96,	Kokomo, Ind.
ROBERTS, EMMA J., '01,	Java, S. D.
ROSENTHAL, SIGMUND, '96,	Minneapolis
RYAN, JENNIE, '93,	Cando, N. D.
RYAN, MARGARET, '02,	Lidgerwood
ROBERTS, FLOYD J., '99,	Volga, S. D.
ROGERS, GEO. M. F., '99,	Page, N. D.
SASSE, ERNEST G., '99.	Minneapolis
SCANLON, DANIEL L., '99.	Deceased
SCANLON, WILLIAM, '96,	Spokane, Wash.
SCHEFCEK, J. FRANCIS, '00,	Fairdale, N. D.
SCHELDE, EDWIN M., B. S., '04,	Deceased
SCHLEGEL, HENRY E., '97.	Hankinson, N. D.
SCHULEAN, NELLIE, '93,	Becker
SCHUSSLER, OTTO F., '05,	Wyndmere, N. D.
SCOTT, ERNEST H., '88,	Juneau, Alaska
SHELLAND, JOHN T., '00,	Minneapolis
SHERMAN, HUBERT T., '04,	Flandreau, S. D.
SHERPING, ERIC, Ph. B., '00,	Worthington
SIMPSON, J. K., '84,	Nome, N. D.
SIVERTSEN, IVAR, '04.	Minneapolis
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SOUR, STEPHEN D., '96,	Armour, S. D.
SPEAR, EDGAR D., '01,	Duluth
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STONE, EVAN C., '05,	Bisbee, N. D.
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SWENSON, AXEL W., '01,	
SWENSON, CHARLES, '03,	
TALBOT, ADA E., '05,	
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TANNER, FRANCIS G., '95,	
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WATSON, CHARLES W., '97,	Boyd
WATSON, FRED G., '03,	Clarkfield
WENDT, SAMUEL M., '97,	Castle Rock, Wash.
WENGER, F. W., '04,	
WHETSTONE, RAY F., '97,	Cass Lake
WHITING, ARTHUR D., '95,	St. Cloud
WHITTEMORE, ARTHUR A., '03,	White Earth, N. D.
WIIG, IVER C. J., '96,	Bowbells, N. D.
WILCOX, T. E., '97,	
WILLIS, ELLEN E. A., '99,	Minneapolis
WILLIAMS, THEODORE F., '90,	Chelsea, Wis.
WITHROW, MORRILL E., '97,	International Falls
WILLIAMSON, LUTIE L. S., '97,	Parma, Idaho
WOODWARD, ADELAIDE, '02,	Minneapolis
WOODWORTH, ELIZABETH, '01,	Minneapolis
YOUNG, EUGENE W., '96,	Minneapolis
YOUNG, VICTOR A., '03,	Kuga, N. D.

## SUMMARY OF STUDENTS

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### COLLEGE OF LIBERAL ARTS.

Post Graduate.....	12
Senior Class.....	26
Junior Class.....	19
Sophomore Class.....	34
Freshman Class.....	108
College Specials.....	56
	255

### PREPARATORY DEPARTMENT.

Fourth Year.....	19
Third Year.....	21
Second Year.....	30
First Year.....	32
Department of Music.....	23
Department of Elocution.....	61
	—
Counted twice.....	441
	84
Total .....	357

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### COLLEGE OF MEDICINE.

Fourth Year.....	28
Third Year.....	21
Second Year.....	38
First Year.....	33
Total College of Medicine .....	120
Total enrollment .....	477







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6-07

UNIVERSITY OF ILLINOIS  
PRESIDENT: DR. JAMES M. CAMPBELL  
POSTOFFICE: CHAMPAIGN  
AND URBANA

# Hamline University

## Catalogue

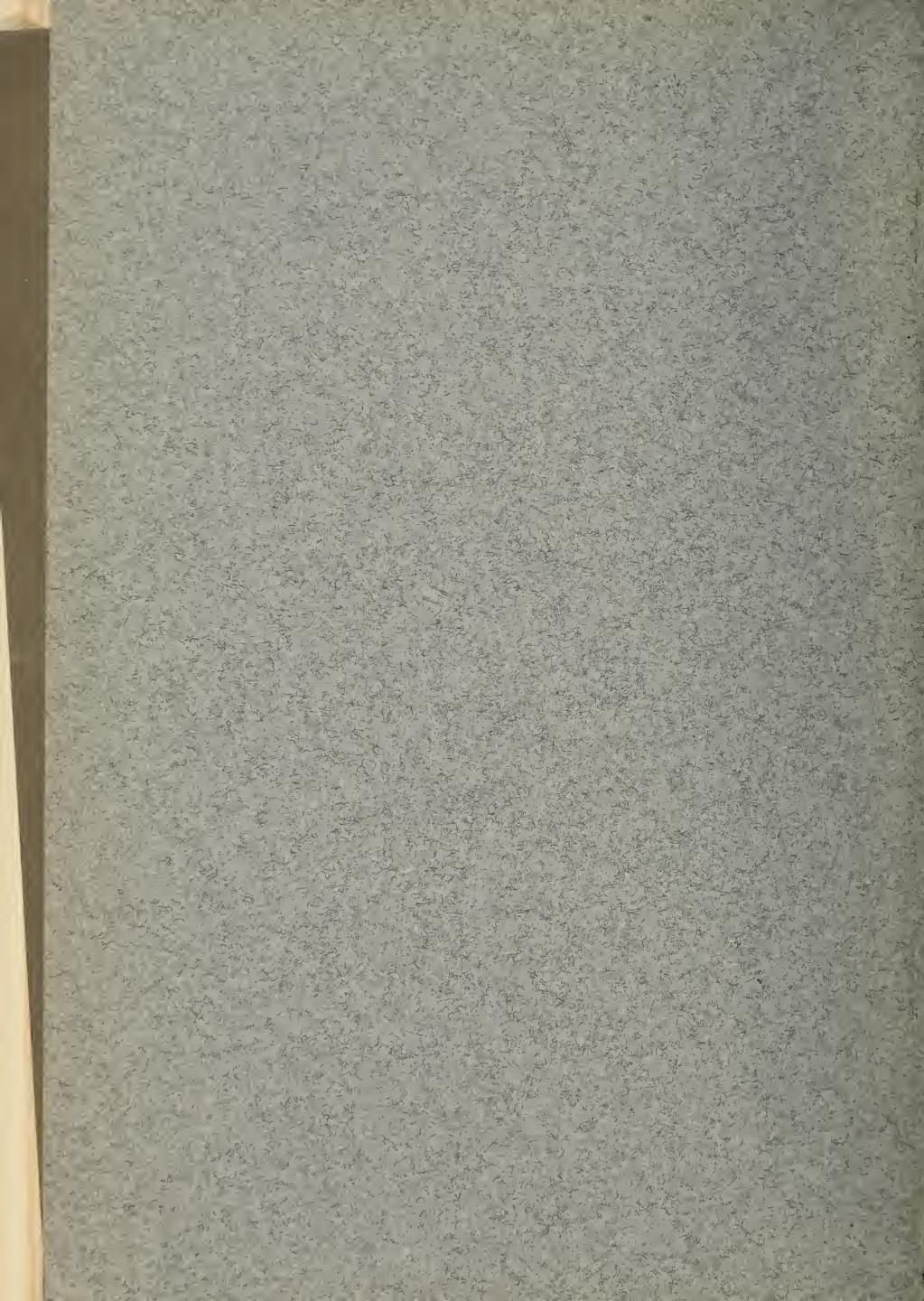
1906-1907

### A. College of Liberal Arts

Hamline, Minn.

### B. College of Medicine

Minneapolis, Minn.



June 20, 1907

UNIVERSITY OF ILLINOIS,  
PRESIDENT'S OFFICE,  
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CHAMPAIGN  
AND URBANA.

## ANNUAL CATALOGUE

OF

# Hamline University

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## A. College of Liberal Arts Hamline, Minn.

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## B. College of Medicine Minneapolis, Minn.

1906-1907

## **Calendar of the College of Liberal Arts for 1907-1908**

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### **1907**

- Sept. 17.—Tuesday. Fall Term begins.  
Sept. 17.—Tuesday. Entrance Examinations.  
Dec. 19-20.—Thursday-Friday. Term Examinations.

### **VACATION OF TWO WEEKS.**

### **1908**

- Jan. 7.—Tuesday. Winter Term begins.  
Mar. 19-20.—Thursday-Friday. Term Examinations.  
Mar. 20.—Friday. Winter Term ends.  
Mar. 31.—Tuesday—Spring Term begins.  
May 25-26.—Monday-Tuesday. Senior Examinations.  
June 7.—Sunday. 10:30 a. m. Baccalaureate Sermon.  
June 8-9.—Monday-Tuesday. Term Examinations.  
June 9.—Tuesday, 2:30 p. m. Annual Meeting of the Board of Trustees.  
June 9.—Tuesday, 3 p. m. Address before the Historical Society.  
June 9.—Tuesday, 8 p. m. Class Day Exercises.  
June 10.—Wednesday. Alumni Day.  
June 10.—Wednesday, 2 p. m. Annual Commencement.

## CORPORATION

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### Trustees

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TERM EXPIRES 1907.

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HON. J. T. WYMAN,	MINNEAPOLIS.
S. S. THORPE, Esq.,	MINNEAPOLIS.
PROF. E. F. MEARKLE, LL. D.,	HAMLINE.
COL. PERRY HARRISON,	MINNEAPOLIS.
HON. JAMES QUIRK,	MINNEAPOLIS.

TERM EXPIRES 1908.

B. F. NELSON, Esq.,	MINNEAPOLIS.
WILLIAM MOSES, Esq.,	ALEXANDRIA.
REV. ROBERT FORBES, D. D.,	DULUTH.
W. H. GOLD, Esq.,	REDWOOD FALLS.
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TERM EXPIRES 1909.

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HON. W. H. EUSTIS, A. M.,	MINNEAPOLIS.
J. W. WHEELER, Esq.,	CROOKSTON.
REV. J. B. HINGELEY, D. D.,	MINNEAPOLIS.

TERM EXPIRES 1910.

BISHOP W. F. McDOWELL, LL. D.,	CHICAGO, ILL.
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REV. W. McKINLEY, D. D.,	WINONA.
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A.

# **College of Liberal Arts**

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- LOREN H. BATCHELDER, A. M., LL. D., DEAN.  
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*Joseph Dean Professor of Biology and Geology.*
- WILLIAM E. THOMPSON, A. M.,  
*Matthew G. Norton Jr. Professor of the Latin Language  
and Literature. Secretary of the Faculty.*
- ARTHUR Z. DREW, A. M.,  
*James McLaughlin Professor of Mathematics.*
- R. WATSON COOPER, A. B.,  
*Herbert H. Norton Professor of English Literature.*
- BERTHA BELL, M. A.,  
*Preceptress.*
- JAMES S. KING, A. B.  
*James L. Norton Professor of Modern Languages.*
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*Professor of the Greek Language and Literature.*
- ERVILLE B. WOODS, PH. D.,  
*Rebecca M. Harrison Professor of Political and Social  
Science.*
- THOMAS P. BEYER, B. S.,  
*Professor of the English Language.*

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*Professor of Psychology and Philosophy.*

JOS. F. BARTON, A. M., Sc. D.,  
*Instructor in Science.*

MATTIE D. WINSTON, PH. B.,  
*Assistant Professor of Mathematics.*

ARTHUR B. KACHEL,  
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*Vocal Music.*

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ANNA M. DAVIS, PH., M.,  
*Librarian.*

ARTHUR Z. DREW, A. M.,  
*Registrar.*

LEWIS B. DRILL, LL., B.  
*Director of Athletics.*

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GRACE E. CANDELL, PH. B.,  
*Assistant in English and Algebra.*

SELINA M. TERRY, PH. B.,  
*Assistant in History.*

HENRY J. ROHDE,  
*Assistant in Chemical Laboratory.*

ELBERT W. CRANDALL,  
*Demonstrator in Zoology.*

GEORGE G. KOTTKE,  
*Demonstrator in Zoology.*

ELSIE HULL,  
*Assistant in Geometry.*

**COLLEGIATE DEPARTMENT****STUDENTS****POST GRADUATES**

CANDELL, GRACE E.,	Literature,	<i>Hamline</i>
COOKE, ED. A.,	History,	<i>Park Rapids</i>
GIBERSON, WM.,	History,	<i>Hamline</i>
KUNZ, PHILIP J.,	History	<i>Owatonna</i>
PROSSER, MYRTLE,	German,	<i>Lake City</i>
TERRY, SELINA M.,	Literature,	<i>Hamline</i>
WARNER, THEO.,	Physical Science	<i>Fargo, N. D.</i>

**SENIOR CLASS**

ALBERTSON, FAYE,	Huron, S. Dak.
ATKINS, RUTH E.,	Hamline
BRIERLY, JESSIE,	Fargo, N. Dak.
BUTLER, COLVIN G.,	Fergus Falls
CARVER, GERTRUDE,	Wabasha
COOLEY, MYRTICE,	Otsego
HICKMAN, LAURA,	Bath, S. Dak.
JOHNSTON, FREDERICK J.,	Boisbœuf, Manitoba
MACKIN, SAMUEL L.	Boardman, Wis.
MANUEL, ARTHUR	Owatonna
NICKERSON, MARK N.,	Hamline
PACKARD, RICHARD A.,	Rolla, N. Dak.
PARISH JOHN L.,	Pine City
ROHDE, HENRY J.,	Spring Valley
ROBBINS, ALMIRA,	Stewartville
SCHEI, LAWRENCE B.,	Minneapolis
SEAMER, MARY,	St. Paul Park
SIMONDS, CLINTON,	Waterville
SPENCER, VIOLA,	Wabasha
STORBERG, DAVID,	Hawley
WEED, CORA E.,	Hamline
WOOD, EFFIE M.,	Dover
WORMAN, ALVIN E.,	Marshall

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BOWMAN, JAY,	Hamline
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BRYAN, RUTH,	Hamline
BUSH, CARROLL D.,	Grand Meadow
CAMPBELL, MARGARET C.,	New Auburn
CONKEY, FRANCES	Minneapolis
CRANDALL, ELBERT,	Bushnell, Ill.
DAVIS, ELSIE C.,	Glencoe
DREW, GEORGE N.,	Hamline
GOLD, RUTH S.,	Big Stone City, S. Dak.
GRALING, RECA,	Hamline
GRAY, FANNY,	Paynesville
HANSON, ADA G.,	Anoka
JOHNSON, MERRILL,	Goodhue
KOCH, SUMNER,	Motley
KIDDER, CHARLES S.,	Amiret
KOTTKE, GEORGE G.,	Renville
KUNTZ, ADA B.,	Owatonna
LINDAHL, EUNICE J.,	Winnebago City
NELSON, IDA,	Dawson
OLSON, CLARA,	Cando, N. Dak.
ROBINSON, HOWARD,	Redwood Falls
SHANNON, PAUL E.,	Buffalo
SMAIL, BESSIE,	Webster, S. Dak.
WILKINSON, ERNEST,	Rossburn, Manitoba

**SOPHOMORE CLASS**

ADDISON, STANLEY G.,	Marshall
ALLARD, INA,	Spring Valley
ANDERSON, CORA B.,	Redwood Falls
ANDERSON, RUSSELL A.,	Grantsburg, Wis.
ANDERSON, WESLEY G.,	Hamline
ARNY, SARAH J.,	Newport
ARTHUR, IRENE,	Webster, S. Dak.
BORNE, MARY T.,	Fergus Falls
CAMPBELL, CHARLOTTE,	St. Paul
CLEMANS, PEARL E.,	Duluth
CONSTANCE, JENNIE,	Cumberland, Wis.
CONSTANCE, MARGARET,	Cumberland, Wis.
DENNY, CHAS. E.,	Kasson
DENNY F. W.,	Kasson
DUNN, GRACE A.,	Princeton
ECKENBECK, N. RAY,	Appleton
FEATHERSTONE, LUCY,	Red Wing
FUNK, I. LOGAN,	Lake Benton
GARRISON, ARTHUR O.,	Hamline
GOVE, MATTIE S.,	Windom
GRANGER, ARTHUR H.,	Canby
GUNTHORP, OLIVE,	Edgeley, N. Dak.
HALEY, EDNA,	Alden
HALVORSON, OLGA B.,	Dawson
HAYNES, JESSIE M.,	Red Wing
HAZELTON, ELLEN	St. Charles
HEILMAN, EMMA,	Marshall
HEINS, WARREN H.,	Olivia
HESKETH, FRANK,	Rolla, N. Dak.
HILL, DAISY M.,	St. James
HILLMAN, C. KIRK,	Merriam Park
HONEY, ADA M.,	Park River, N. Dak.
HULL, ELSIE,	White Bear
HUNT, MARION E.,	Mankato
JEFFERS, MYRTLE S.,	Windom
JOHNSON, JOSEPHINE,	Rush City
KOHLMEYER, ROYAL A.,	Blue Earth

KRATKY, ARCHIE,	West Concord
KULL, ALFRED,	Sacred Heart
LUEBEN, ELIZABETH R.,	Le Sueur Centre
LUMLEY, MABEL E.,	Renville
MC LAIRD, JUNE,	Chatfield
LYON, MYRON B.,	Hutchinson
MOORE, DANIEL W.,	Portland, Ore.
MOORE, HENRY G.,	Big Stone City, S. D.
MOREHOUSE, JAMES W.,	Kasson
MORGAN, EDWARD J.,	Olivia
MURPHY, WALTER,	Dundas
OLIVER, GUY E.,	Hamline
PAGE, F. GENO,	Hamline
PALMER, CLAUDE E.,	Marshall
PETERSON, ESTHER,	Pillager
RALSTON, BASIL E.,	Crystal, N. Dak.
REDDING, SIBYL J.,	Windom
RICHARDSON, FANNY E.,	Faribault
ROBINSON, WILL Z.,	Pine Island
ROUNDS, JOHN,	Hamline
RUSSELL, ROSABEL,	Los Angeles, Cal.
SANAKER, O. H.	Minneapolis
SAXE, VERA M.,	Plainview
SCHAEFER, ESTHER B.,	St. James
SCHMOLL, LOUIS V.,	Arlington
SMITH, CORA,	Fulda
SQUIRE, J. PINKERTON,	Aberdeen, S. Dak.
STARK, PHOENA,	Harris
STOUT, FRANCES,	St. Paul
SWEITZER, L. R.,	Hamline
SYLVESTER, NETTIE H.,	Plainview
TAYLOR, MAYME,	Pipestone
TEACHOUT, E. L.,	Elmore
UHL, LUCY L.,	St. Paul
WARNER, OHMER H.,	St. Paul
WATERS, HAZEL B.,	Fergus Falls
WATERS, OPHELIA M.,	Fergus Falls
WILLMERT, SADIE,	Blue Earth
WILSON, CLYDE E.,	Blue Eaarth

WILSON, FANNIE E.,	Janesville
WOLF, WILL	Windom
WRIGHT, FLOYD W.,	Cumberland, Wis.
YOUNG, ELSIE,	Aitkin

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BAR, ARTHUR S..	Algeo, N. Dak.
BURNS, ROGER,	Le Mars, Ia.
BARNUM, ELBERT W.,	Pine City
CALDWELL, LOUISE,	Hamline
CASADY, CATHERINE,	St. Paul
CASS, ALTA,	Sauk Center
CHINN, WINIFRED	McKinley
CLEVELAND, RUBY R.,	Austin
COOK, JOHN E.,	Blue Earth
COWLES, ROY J.,	West Concord
CRAIG, RALPH S.,	Austin
CRAWFORD, JOSEPHINE	Hamline
DAVIS, LESLIE G.,	Sleepy Eye
DRYDEN, FAITH G.,	Windom
DUEBENDORF, LAURA G.,	Olivia
EDGAR, HAZEL,	St. Paul
ELLSWORTH, WM. D.,	Eveleth
EVANS, ELLA A.,	Montevideo
EVANS, M. MARIE,	Montevideo
FAUS, CORA,	Cannon Falls
FIERKE, EDWIN W.,	Sleepy Eye
FOWLER, FANNIE A.,	Watertown, S. Dak.
FRALEY, D. FRED,	Cannon Falls
FRANK, EARLE,	Hastings
FUNK, CHAS. D.,	Lake Benton
GENNOW, MABEL,	Princeton
GIBBONS, ANNA,	Hamline
GIBBONS, MAUDE	Hamline
GOERTZ, HENRY P.,	Mountain Lake

GOLDSMITH, GLENNE W.,	Hutchinson
GRAPES, IVA P.,	Adrian
GREEN, JENNIE E.,	Charles City, Iowa
GUNDERSON, ROSE B.,	Brown's Valley
HAINES, FLORENCE B.,	Milbank, S. Dak.
HAMMER, THERON N.,	St. Paul Park
HARGRAVE, GUY D.,	Armstrong, Iowa
HARTWICK, TOLLEY,	Granite Falls
HESKETH, CLARA,	Rolla, N. Dak.
HIGBIE, GEORGE F.,	Grand Meadow
HIGBIE, LELAND C.,	Grand Meadow
HOLDHUSEN, LEANORE,	Preston
HUDSON, CLYDE,	Windom
HUSER, MILDRED M.,	Chicago, Ill.
HUSER, THOMAS E.,	Cumberland, Wis.
JOHNSON, ANNA E.,	Frazee
JOHNSON, MINA,	Rush City
KELLEY, GLADYS,	Wabasha
KIDDER, GORDON E.,	Amiret
KING, CLARE S.,	Austin
KOELSCH, ARTHUR,	Rochester
LEVINGS, J. EDWIN,	Cumberland, Wis.
LITTLE, JOHN,	Kasson
LOCKER, VERA,	Hamline
LUND, ELMER J.,	Olivia
MALE, JOSEPHINE,	Wahpeton, N. Dak.
MALLERY, ALBERT,	Albert Lea
McDOWELL, EFFIE,	Hutchinson
MCKAY, JAMES,	Alexandria
MCKINLEY, MARY,	Cannon Falls
McKOWN, FRED,	Hamline
McKEOWN, BERNICE,	Chatfield
MORSE, ROBERT D.,	Mankato
NISSEN, ANNA,	Grand Meadow
NOBBS, FLORENCE E.,	Hector
OLIN, HULDA,	Hawley
OLSON, STANLEY D.,	Grantsburg, Wis.
PADDEN, EDITH,	Austin

PAGE, HELEN P.,	Willmar
PARISH, JESSIE M.,	Redwood Falls
PATTERSON, HELEN D.,	Princeton
PATTERSON, MARY I.,	Princeton
PEMBERTON, LEE R.,	Hamline
PETERSON, FRED W.,	Lafayette
PIERCE, CHAS. H.,	Park Rapids
PRICHARD, HAZEL	Thief River Falls
QUIGLEY, HAROLD, S.,	Fairmont
RASEY, JESSIE A.,	St. James
ROAN, ANNA,	Ellsworth
SAGER, MARY A.,	Cannon Falls
SCHMIDT, GROVER C.,	Chokio
SCHOW, OLIVE,	Wells
SEVERNS, HATTIE L.,	West Concord
SHEPHERD, FOSS R.,	Hamline
SKEMP, LILLIAN,	Cloquet
STICKNEY, TRUMAN, L.,	Hamline
STORBERG, VICTOR,	Hawley
TEICHROEW, PETER A.,	Mountain Lake
THUNE, ZELMA,	Redwood Falls
TINCHER, COYLE C.,	Minneapolis
WALKER, CLYDE L.,	Boscobel, Wis.
WAY, GENEVIEVE,	Claremont
WILDER, EARL R.,	Amboy
WILLIAMS, FLOYD M.,	Dodge Center
WOLF, GEORGE E.,	Olivia
WOODIS, CLARK N.,	Lake Crystal
WYNN, WILLIAM,	Dunseith, N. Dak.
ZIESENIS, HAZEL,	St. Paul

**SPECIAL STUDENTS (a)\***

ATKINS, BLANCHE E.,	Hamline
BELL, CHAS.,	Grandin, N. Dak.
BOWMAN, ANGIE M.,	Hamline
BUFFUM, CLYDE C.,	Hamline
CAMPBELL, BRUCE R.,	Hatfield
COVEL, SUSY A.,	Strome, Alta, Canada
DODDS, JESSE,	Hamline
DUNN, GEORGE,	Princeton
ELLERY, CHAS.	St. Thomas, N. Dak.
EPTON, EFFIE M.,	Rolla, N. Dak.
ERBST, WILHELMINA,	Hamline
FOWBLE, LOUISE,	Hamline
CEBHARDT, RALPH M.,	Beardsley
GUILD, ELLIS D.,	Minneapolis
HAYES, ALLISON J.,	Hamline
HICKMAN, EUGENE C.,	Bath, S. Dak.
HOLLIDAY, WALTER B.,	Clear Lake, Wis.
JENSEN, JOHN,	Hamline
KOELSCH, ALBERT,	Rochester
LAMBERT, BLAINE,	Fergus Falls
LEAVITT, FAYETTE F.,	Lake Crystal
McCONNELL, MAE,	Hamline
MCDOWELL, J. P.,	Hamline
MCKELVEY, ROBERT, J.	Duluth
MEACHAM, ROLLA,	Edgerton
REED, EDITH M.,	Slayton
REED, THOMAS,	Evanston, Ill.
SCHUMACHER, JOHN P.,	Hamline
THOMPSON, VERNE,	Hamline
TURNER, LEONARD S.,	Chatfield
UMPLEBY, ERNEST R.,	Hult, N. Dak.
UNDERHILL, CARL C.,	Hamline
WOOD, CLARENCE W.,	Morris

\* Specials (a) are those students intending to graduate, who have not made up all college conditions.

**SPECIAL STUDENTS (b)\***

ACKERMAN, HAZEL,	Hamline
BAKER, MYRTLE,	Neche, N. Dak.
BELL, BEATRICE,	Walhalla, N. Dak.
BROWN, BARBARA,	La Crosse, Wis.
ELLERY, CLIMO,	St. Thomas, N. Dak.
ELLIS, C. JAY H.,	Minneapolis
GILLIS, FRED W.,	Delhi
GOFF, JOHN,	Drayton, N. Dak.
GOFF, LOTTIE,	Drayton, N. Dak.
GRIEBENOW, BERTHA,	Alexandria
HAINES, EARL S.,	Holloway
HALL, FLORENCE,	Midland, S. Dak.
LEAVITT, HARVEY P.,	Lake Crystal
LINDERHOLM, ADELINE,	Belgrade
MAECHTLE, EVERETT W.,	Port Washington, Wis.
MORRISON, NETTIE M.,	Hamline
PARISH, HERBERT H.,	Pine City
SCHAEFER, WALTER C.,	Ely
SMALLEY, LLOYD E.,	Hamline
WALTZ, IRENE,	Stillwater
ZIESENIS, IVA,	St. Paul

\* Specials (b) are those students not intending to graduate.

## THE CURRICULUM OF THE COLLEGE OF LIBERAL ARTS

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Two courses each leading to the Baccalaureate degree are given in the college of Liberal Arts: (a) The Bachelor of Arts Course extending through four years includes courses in the ancient languages as entrance requirements and also during a portion of the college course.

(b) The Bachelor of Philosophy Course offers ancient languages as elective, but the student may elect, instead, courses in German, French, or the Sciences.

## REQUIREMENTS FOR ADMISSION

1. Students who have completed the four years course in the Preparatory Department of this institution are admitted to the freshman class.
2. Students who present a certificate of graduation from an accredited high school, having a four years course, will be admitted to the freshman class as candidates for the appropriate degree.
3. Students presenting evidence of having completed one year or more of high school work will be assigned to the appropriate class in the preparatory department and on completing their preparatory course will be admitted to the freshman class.
4. Students coming from a reputable college or university with a certificate of honorable dismissal will be received into the same grade as they held in the school from which they come.
5. Students who have completed the "Advanced Graduate Course" at a Minnesota State Normal School will be given one year's credit in college work.

### Required Studies

In the Freshman year the candidates for the degree of Bachelor of Arts are required to take Latin, Greek, Mathematics and Rhetoricals. Candidates for the degree of Bachelor of Philosophy are required to take Mathematics, Rhetoric and Rhetoricals; and either Latin, German or French, and either Zoology or History.

In the Sophomore year candidates for both degrees must take Rhetoricals and either German or French and one science, Physics, Chemistry or Biology. They must also elect other subjects sufficient to make sixteen hours' work per week.

In the Junior and Senior years students must take Rhetoricals. The others subjects are elective.

Sixteen hours' work per week are required of all classes, except in the second and third terms of the Senior year, in which fifteen hours per week are required. One hundred ninety hours of term work are required for graduation, three of these being credited for the Senior thesis.

In addition to Bible Study and Rhetoricals, no student will be allowed to take more than sixteen or less than twelve hours per week without the permission of the registration committee.

### **Special Students**

Persons desiring to take a partial course will be permitted to select their studies so far as they may be able to recite with regular classes, but new ones will not be formed for their accommodation. They must furnish satisfactory evidence of their ability to pursue profitably the studies they propose to take up before they can be admitted to any of the classes. Under these restrictions every encouragement will be given to those who are not able to take a full course. Special students taking ten hours a week of college work must register for Rhetoricals.

### **Record and Examination**

Written examinations are held at the close of each term, and also at irregular intervals during the term. The student's record in any study is made up by a careful estimate of both his daily recitations and his examinations. No examination will be given in any subject before the time set for the regular class examinations.

When a student has entered upon his College no credit will be given for the work done.

### **Registration—Deficient Work**

tion. Conditions must be removed within one year, or Course, he shall then and thereafter first register for the study or studies of the corresponding terms of previous years in which he may have been deficient. He shall not register for any subject to the exclusion of a preceding one which he has not completed and which is pursued in the term for which he registers.

In all cases prescribed courses must take precedence over elective courses.

### **Senior Theses**

Each Senior before graduation is required to present an approved thesis of at least 3,000 words. The subject and matured scheme of said thesis shall be presented to the Standing Committee on Theses, Thanksgiving week, and the completed thesis shall be presented by the opening of the spring term.

### Degrees

The degree of Bachelor of Arts is conferred on those who complete the Classical Course.

The degree of Bachelor of Philosophy is conferred on those who complete the College Course, but do not take Greek.

A diploma fee of \$5.00 is collected of each student at graduation.

Any person who graduates must be in attendance at least during the Senior year.

### Master's Degrees

The Master's degree will be conferred only upon the following conditions:

1st. The candidate must have a Baccalaureate degree from this University, or from one having an equivalent curriculum; but in case the candidate has taken his Baccalaureate degree elsewhere he must be in residence at least one year.

2d. He must have completed a thorough course of graduate study, not professional, approved by the Faculty, sufficient in amount to be a fair equivalent for a fifth year of college work.

3d. By continuous residence, the candidate may receive the degree one year after graduation. In case of partial or complete non-residence of graduates from this University, at least two years of study will be required.

4th. On registration as a candidate, a fee of \$5.00 will be required, and before the degree is conferred an additional fee of \$5.00 will be charged.

## COURSES OF INSTRUCTION IN EACH DEPARTMENT

### Latin

Professor Thompson

COURSE A.—*Livy*, Books I and XXI, four times a week for the fall and winter terms; to illustrate the early legendary history of Rome and the most thrilling incidents of the Second Punic war. Elective for Freshmen.

COURSE B.—*Horace*, four times a week for the spring term. A reading of the Odes and a few of the Satires, particular attention being paid to the study of the various metres and the rhythmical reading of the Odes. Elective for Freshmen.

COURSE C.—I. *Terence*, five times a fortnight for the fall term, to illustrate the earlier stages of the language and the Roman comedy. Elective for Sophomores, Juniors and Seniors.

II. *Cicero*, five times a fortnight during the winter term. The philosophical writings are read and discussed, *De Amicitia* as a basis. Elective for Sophomores, Juniors and Seniors.

III. *Horace*, five times a fortnight during the spring term; the *De Arte Poetica* is read and analyzed with reference to rhetorical criticism. Elective for Sophomores, Juniors and Seniors.

These authors are subject to change; Plautus, Pliny, Quintilian, Juvenal, Lucretius and Tacitus may be substituted in alternate years.

COURSE D.—In the fall, winter and spring terms of Junior and Senior year a special course in methods of Classical Study and Teaching will be offered for those intending to teach preparatory Latin after graduation. Open to those who have taken courses A, B and C. This course will not be given in 1907-1908.

COURSE E.—Supplementary work.

An opportunity will be offered to any who desire to do extra work in Latin translation or to make studies of ancient life and customs, or to prosecute philological researches. If there is sufficient encouragement a Latin Seminary will be organized to meet once a week for the special study of a chosen author or period, and lectures will be delivered and papers presented on the topics to be discussed, open to those who have taken courses A, B and C.

All the instruction in the Latin department will have frequent reference to Roman archæology, history and geography, and attention will be called to the latest results attained in classical philology. Constant effort will be made to render the course practical and progressive, especial attention being called to the fact that the Roman language still lives in our speech and the Roman jurisprudence in our laws.

## Greek

Professor Keller

COURSE AA.—I and II. White's First Greek Book.  
III Xenophon, Anabasis, Book I; Prose Composition. Five hours.

COURSE AB. I and II. Xenophon, Anabasis, Books II-IV, Herodotus, Selections. Prose Composition.  
III. Homer, Iliad, Books I-III. Five hours.

COURSE A.—I. Lysias, Select Orations.  
II. Xenophon, Memorabilia.  
III. Homer, Odyssey. Five hours.

In the *fall* and *winter* terms composition based on part of the work will be given, with a view to imparting familiarity with the idioms and style of Attic Prose. Topics and discussions throughout the year. Required for the A. B. degree.

COURSE B.—Plato, Apology; Sophocles, Antigone; Demosthenes, DeCorona. Three hours a week.

COURSE C.—New Testament; a two-hour course throughout the year, in which a large part of the New Testament will be read. Open to all students who have completed two years of Greek.

Courses AA and AB are designed for students who enter college without Greek.

The chief aim in the study of Greek is to become familiar with the great literature of Greece and thus to come in touch with the classical age. But the disciplinary value of the study of the language is by no means ignored, for to appreciate the literature, one must have a thorough knowledge of the rudiments of the language, and it is here that the student receives mental discipline. Familiarity with the literature implies familiarity also with the history, mythology, art and life of ancient Greece.

## Germanic Language and Literature

Professor King

GERMAN A.—*Beginning German.* The aim is to lay a thorough foundation for future study in German. The work covers Part I of Joynes-Meissner's German Grammar and the whole of Hewett's German Reader. Special attention is given to conversation based on each lesson, and to the reading and memorizing of short poems. Daily work in composition throughout the year. An effort is made to get the student thoroughly initiated into the spirit and idiom of the language. Four hours a week throughout the year. Course A in either French or German is required.

GERMAN B.—*Intermediate German.* A course in the German classical drama, the aim being to introduce the student to some of the best productions of that notable period. The works read include Lessing's Emilia Galotti and Minna von Barnhelm, Goethe's Hermann and Dorothea; and Schiller's Wilhelm Tell and Maria Stuart. Hatfield's Lyrics and Ballads is read entire. Daily practice in conversation and frequent discussions of authors and literary topics. During the winter term one month is devoted to composition work, based on either Hillel's Höher als die Kirche or Baumbach's Der Schwiegersohn. Four hours a week throughout the year.

GERMAN C.—*The Novel and Short Story.* The purpose of this course, aside from the enjoyment of the high literary values of the works read and the pictures of life presented in this form of literature, is to acquire speed and accuracy in translating German and in so far as possible to eliminate the obstacles presented by a foreign tongue. Much time will be given to conversation and translation into the German idiom. This work will open the way to a keener and more intelligent appreciation of Courses D and E. The authors taken up will include Stifter, Ludwig, Freytag, Storm, Keller, Heyse, Wildenbruch, Sudermann and Frenssen. This course is three hours a week throughout the year. It is open to those who have completed Courses A and B or have had three years' secondary work in German.

GERMAN D.—*A Course in the Life and Works of Goethe and Schiller.* This course will take up for exhaustive treatment six or seven of the best works of each of these authors and in connection with that will make a careful study of their lives and the history and spirit of their time. Papers, sketches and discussions will be required. An inquiry will be made into the art and technique of the drama of this period. Two hours a week throughout the year. Open to those who have completed A, B and C.

GERMAN E.—*The Modern German Drama.* This course aims to present a general outline of German life in the nineteenth century exclusive of the classi-

cal works of Goethe and Schiller, which belong more properly to the study of the preceding century. Points of difference will be noted between this period and the one immediately preceding. Among the authors studied are Heinrich von Kleist, Grillparzer, Wildenbruch, Sudermann and Hauptmann. Two hours a week throughout the year. Courses D and E are alternate courses. Course D will be given in 1907-'08.

GERMAN F.—*A Course in the History of German Literature.* The object of the course is to afford a connected view of German Literature from earliest times down to the present. Periods not touched upon in the above courses will be filled in. The work will be presented mostly in the form of lectures. Thomas' German Anthology and Wenckebach's Meisterwerke des Mittelalters will be read and used as a guide to the study. Open to students who have had Courses A and B. One hour a week through the year.

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## French Language and Literature

Professor King

COURSE A.—*Beginning French.* The effort in this course is to lay a firm and sure foundation for the future study of French. It is thought that the language is best learned by an intermingling of grammar, translation, composition and conversation. Much care is given to irregular verbs and the study of idioms. The work may be outlined as follows:

I. Fall term: Grammar, Fraser and Squair, Part I. Irregular verbs, daily drill in translation, composition and conversation. Whitney's French Reader.

II. Winter term: Composition and conversation based on La Derniere Classe and Le Siege de Berlin, Merimee's Colomba and Halevy's L' Abbe Constantin are read.

III. Spring term: Reading and conversation. Study of idioms continued. The works read include Dumas' Swiss Travel, Mon Oncle et Mon Cure, Verne's Les Forceurs de Blocus, and comedies, such as Le Barbier de Seville, Le Voyage de M. Perrichon and La Grammaire. Four times a week throughout the year.

COURSE B.—*A General Course in French Literature.*

The aim is to introduce the student to the best authors and a few of their works. This course begins with the Augustan Age of Louis XIV and extends to present times. A careful study is made of each author and of the history and life of his time. Attention is given to changes, growth and development in French Literature. The work may be presented as follows:

I. Fall term: Corneille's Le Cid and Cinna; Racine's Esther and Athalie.

II. Winter term: Moliere's Le Misanthrope and Le Bourgeois Gentilhomme; Hugo's Hernani and Cromwell.

III. Spring term: Rostand's L'Aiglon and Cyrano de Bergerac; Musset's On ne badine pas avec l'Amour; Maupassant's short stories. Lyric poems. Two hours a week throughout the year.

## English Language

Professor Beyer.

COURSE A.—*Rhetoric*. A study of the theory and a practice of the principles of English Prose.

I. *Narration and Description*. Fall term. Two hours.

II. *Exposition*. Winter term. Two hours.

III. *Argumentation and Word Study*. Spring term. Two hours. Required of all Freshmen.

COURSE B.—*American Poetry*. A study of the best work of our nine principal American poets; and of the laws of poetic composition. Most of the selections read will be found in Page's *Chief American Poets*. Shackford's *First Book of Poetics* may also be required.

Two hours a week through the year. Required of Scientific Freshmen.

COURSE C.—*The Short Story*. The aim will be to know critically the best stories; to compare them with the typical novel; and to construct a creditable plot. One hour a week.

COURSE D.—*The Essay*. An historical and critical study of the English Essay—with special attention to Bacon, Addison, Steele, DeQuincey, Hazlitt, Lamb and Emerson. One hour a week.

Courses C and D are given in alternate years, Course D being omitted in 1907-08.

Sophomores and Juniors are required to take either *The Short Story* or *Oratory*.

COURSE E.—*Old English*. A brief course designed to introduce the student to the Old English Language through the medium of the easiest 10th and 11th century prose. One hour a week for the year. Elective for the three upper classes.

COURSE F.—*Middle English*, 1066-1400. I.—History of the development of the English language and literature from the Norman Conquest to Chaucer, with readings from popular ballad poetry.

II. *Piers the Plowman*. Careful study of Langland's masterpiece, with references to his contemporaries, Gower and Wyclif.

III. *Chaucer*. The study of practically all of Chaucer's poetry. Root's *Poetry of Chaucer* will be used as a basis for criticism. In addition to the interest of Chaucer and Langland as literature, this course is designed to trace Modern English to its beginnings in the Transition period. Two hours a week for the year. Elective for the three upper classes.

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## Oratory and Debate

Professor Cooper

COURSE A.—*Debate*. A course in the study and practice of Argumentation. Several noted arguments are analyzed by the class, briefs are studied and made, and extempore debates are given by appointed disputants. Carefully written arguments are also required. Once a week throughout the year.

COURSE B.—*Orations and Speeches*. The work in this

course includes the study of the theory of oratory, the analysis of selected American orations, and the making of orations and speeches. Special attention is given to the style of the orations of Webster and of the speeches of Lincoln. Once a week throughout the year.

Course A is omitted in 1907-1908. All Juniors and Sophomores are required to take either the courses in Oratory and Debate or the courses offered in Short-story and Essay.

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## English Literature

Professor Cooper

COURSE A.—*Outline History and Rapid-Reading Course.* The object of this course is to give a clear understanding of the nature of literature and of literary criticism, a knowledge of literary types, and an intelligent appreciation of the best that has been done in English from Chaucer to the present time. Winchester's Principles of Literary Criticism and either Pancoast's Introduction or Stopford Brooke's Primer serve as guides. The text-books are supplemented by lectures upon the historical significance of the authors treated and selection read.

The selected works examined may be grouped as follows:

*Fall Term.*—Sixteenth and Seventeenth Centuries. Spenser's Faery Queene, Books I and II; Palgrave's Golden Treasury, Books I and II; Milton's Paradise Lost, Books I-VI, Minor Poems, Samson Agonistes.

*Winter Term.*—Eighteenth Century. Pope's Essay on Criticism, Essay on Man, Rape of the Lock, Epistle to Dr. Arbuthnot; Palgrave's Golden Treasury, Book III; Goldsmith's Traveler and Deserted Village; Cowper's Task; Page's British Poets, selections from Wordsworth, Coleridge, Scott.

*Spring Term.*—Nineteenth Century. Page's British Poets of the Nineteenth Century; selections from Byron, Keats, Shelley, Tennyson, Browning, Arnold, Rosetti, Morris, Swinburne.

Course A is elective for Sophomores. Three times a week throughout year.

COURSE B.—*English Literature, 1750-1830.* The history of the revival and growth of English Romanticism and its connection with the French Revolution are traced in lectures by the instructor. The students are required to read and thoroughly examine the bulk of Burns, Wordsworth, Scott, and Byron, and essentially all the poetry of Coleridge, Shelley, and Keats. The fall term is given to Burns and Wordsworth, the winter term to Coleridge, Shelley and Keats, and the spring term to Byron and Scott. Four times a week throughout the year. Open to Juniors and Seniors who have taken Course A. (This course will be omitted, 1907-1908.)

COURSE C.—*Shakespeare.* A critical analysis of Shakespeare's poetic and dramatic art as represented in his poems, his sonnets, and his dramas, with collateral readings in other Elizabethan dramatists. The work may be outlined as follows:

*Fall Term.*—Early comedy and tragedy, and the English history plays: Romeo and Juliet, Love's Labour's Lost, Comedy of Errors, Two Gentlemen of Verona, Midsummer Night's Dream, Henry VI, Richard III, Richard II, Henry IV, Henry V. Collateral: Merry Wives of Windsor, Marlowe's Edward II, and Doctor Faustus.

*Winter Term.*—Middle and Later Comedy: Merchant of Venice, Taming of the Shrew, Much Ado About Nothing, As You Like It, Twelfth Night, All's Well That Ends Well, Measure for Measure. Collateral: Jonson's Every Man in His Humour, The Alchemist, and Beaumont and Fletcher's Philaster. Middle Tragedy; Julius Caesar, with Jonson's Sejanus as Collateral; Hamlet, with Titus Andronicus, and Kyd's Spanish Tragedy as Collateral.

*Spring Term.*—Later Tragedy: Othello, Lear, Macbeth. Romances: Cymbeline, Tempest, Winter's Tale. Poems: Venus and Adonis, Rape of Lucrece, sonnets.

Elective for Juniors and Seniors who have taken Course A. Four times a week.

COURSE D.—*Victorian Literature.* A thorough analysis of the writings of the chief poets and prose-writers of the Victorian Age. The readings for this course are done outside of the class-room by general and special assignment. The class-room work consists of reports, discussions and lectures. The work is of a strictly advanced character, arranged for those who are specializing in English

Literature, and the course is therefore open only to those who have had Course A, and who either have had or are taking Courses B and C, and the Middle-English Course in Chaucer. The course requires two successive years' work, three periods a week, and is divided as follows:

Part I. Victorian Prose Masters: Carlyle, Newman, Arnold, Ruskin; with illustration from Thackeray, Eliot, Meredith, Emerson and Pater.

Part II. Victorian Poetry: Tennyson, Arnold, Browning; with illustrations from Clough, Mrs. Browning, the Rosettis, Morris, Swinburne, Part II will be given in 1907-1908.

Resident graduate work in this department will be arranged to suit the needs of the individual student. Work is being done this year in the development of English prose in the nineteenth century.

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## History

Professor Innis

COURSE A.—*English History*. The political history of England; the development of the English people; the origin of their institutions; the growth of constitutional principles; the economic and social conditions of each epoch; the relations with the Continent; colonial expansion and the present British Empire. *First half year*.

Text—Gardiner's or Terry's History of England. Readings in standard histories and biographies and in select documents.

COURSE B.—*American History.* The political history of the United States; the origin and development of American institutions; the political, economic and social forces in each epoch; the colonial forms of government, development under the Constitution; the question of slavery; the expansion of the West; later national questions. Second half year.

Text—Elson's History of the United States. Readings in standard histories and biographies and in select documents.

Courses A and B are four days a week; elective for Freshmen. Recitations, lectures and reports on assigned topics. Frequent quizzes.

COURSE C.—*Grecian History.* A general study of Grecian History: the development of the institutions and social life of the people; their art, literature and philosophy; the chief public men; the conflict with the East; Alexander's conquest; the comparison of the spirit and civilization of the Greeks with those of the Orient and of Rome. First half year.

Text—Botsford's History of Greece. Readings in works on Grecian History and civilization, and biographies.

COURSE D.—*Roman History.* A general study of Roman History. The development of the institutions and principles of government and of the economic and social life; the struggle of the Plebians for political rights; the conquests and influence of Rome; the decay of the Republic and the founding of the

Empire; the colonies and provinces; a comparison of Roman institutions and civilization with those of Greece, England and America. Second half year. Text—Seignobos' History of Rome. Readings in works on Roman history and institutions and in biographies.

Courses C and D are four days a week; elective for Sophomores. Recitations, lectures, discussions, frequent themes and quizzes.

COURSE E.—*Mediaeval History, 476 to 1300 A. D.*

General survey of Mediaeval History; the invasion of the barbarians; the development and influence of the Church; the Papacy and the Empire; Feudalism; the Crusades; the origin of institutions; commercial, industrial and social progress; mediaeval civilization. First half year.

Authorities—Periods I and II in European History, Emerton's Middle Ages, Robinson's History of Western Europe, Barry's Papal Empire, and select documents.

COURSE F.—*The Renaissance and Reformation, 1300 to 1600 A. D.* The transition from Mediaeval to Modern History; a general survey of political and social movements; the revival of learning in Italy; its religious character north of the Alps; the Reformation; the conflict between Catholicism and Protestantism; the religious wars; the larger world opened by discoveries and inventions. Second half year.

Authorities—Periods III and IV in European History, Cambridge Modern History; Symond's works, biographies, select documents.

COURSE G.—*European History, 1600 to 1789 A. D.*

The Thirty Years War; the Age of Louis XIV; the aggression of France; the rise of Russia and Prussia; Frederic the Great; colonial enterprise; the Old Regime; social and political conditions; the eve of the French Revolution. First half year.

Authorities—Periods V and VI in European History, Cambridge Modern History, Gindley's Thirty Years' War, Lowell's Eve of the French Revolution and biographies.

COURSE H.—*European History, 1789 to 1900 A. D.*

The French Revolution; the work of Napoleon; the Reaction in Europe; later revolutions; the liberation and unification of Italy and Germany; the reconstruction of Europe; the two Eastern questions; present relations of great powers. Second half year.

Authorities—Periods VII and VIII in European history, Cambridge Modern History, Andrews' Historical Development of Modern Europe, Fyffe's Modern Europe and biographies.

Courses E and F and Courses G and H will be offered as alternates. Courses G and H will be offered in 1907-08. Elective for Juniors and Seniors. Lectures, discussions and reports on subjects given for special investigation by the students. Three days a week.

## Education

Professor Innis

COURSE A.—*The History of Education.* Greek, Roman and early Christian education; the development of the mediaeval schools; the rise of the universities; the theories and work of the Humanists, the Realists and the Naturalists; the later psychologic, scientific and social principles of education. First half year.

Text—Munroe's History of Education. Readings in Laurie, Pre-Christian Education; Compayre, History of Pedagogy; Quick, Educational Reformers, and biographies.

COURSE B.—*Psychology as applied to Education.* The meaning and aim of education; the central nervous system; the faculties of the mind, their development and discipline; apperception; the culture of the thought powers; the training of the will; moral education; the art of study and teaching. Second half year.

Text—Baldwin's Psychology applied to the art of teaching; readings in James' Talks to Teachers; Thorndike, Principles of Teaching; Harris' Psychologic Foundations; and Halleck, Central Nervous System.

Courses A and B are four days a week, elective for Juniors. Recitations, lectures, individual research and reports.

COURSE C.—*School Management.* The pupil and teacher; the school house and equipment; sanitation; discipline; class organization; recitation; characteris-

tics of good teaching; correlation of studies; the different grades of school; educational values and methods of teaching. First half year.

COURSE D.—*Practical Pedagogy*, particularly as related to the High Schools. The teacher and his work; the training of teachers, qualifications, preparation and aids; general methodology; the High School, its position, curriculum and methods; training for citizenship; education and life; the teacher's relation to the principal, the board and the public; the superintendent; observation of the work of experienced teachers. Second half year.

Courses C and D are three days a week. Elective for Seniors. Discussions, lectures and reports on assigned topics.

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## Political and Social Science

Professor Woods

COURSE A.—*Government in the United States*. This course is designed to serve as an introduction to Political Science. A careful study is made of the organization of the national, state, and local government with especial emphasis upon the actual workings and the present problems of government in America. Fall term, four days a week. Elective for Sophomores and Juniors.

COURSE B.—*Comparative Politics*. A theoretical and historical study of the principles of Political Science as seen in the constitutions and parties of the leading states of Europe. Text; Wilson, *The State*. Winter term, four days a week. Elective for Sophomores and Juniors. Prerequisite Course A.

COURSE C.—*International Law.* An elementary study of the law of peace and the law of war. The origin, development, and present authority of the system of rules which govern the intercourse of civilized nations. Spring term, four days a week. Elective for Sophomores and Juniors. Prerequisite Course A.

Courses A, B and C together constitute a year's consecutive work in the subject of Political Science.

COURSE D.—*Economics.* A thorough introduction to the principles which govern the valuation and distribution of wealth. This course extends through six months and should be taken by all students who desire to elect subsequently courses E, I, J or K. Fall term: Four days a week, and winter term three days a week. Elective for Sophomores and Juniors.

COURSE E.—*Money and Banking.* An introduction to the principles underlying metallic and paper money, prices, foreign exchange, credit, banking, credit-currency, with special reference to the financial history of the United States. Spring term, four days a week. Elective for Sophomores and Juniors. Prerequisite, course D.

Courses D and E together constitute a year's consecutive work in the subject of Economics.

COURSE F.—*Introduction to Sociology.* A study of the nature and principles of social organization, as seen in the origin and development of domestic, political, religious and industrial institutions. Various views regarding the nature of human associa-

tion will be examined, and the progress of social philosophy sketched in outline from Plato to the present time. Fall term: Three days a week. Elective for Juniors and Seniors.

COURSE G.—*Social Psychology*. An examination of the results of the recent study of human society from the point of view of motive and mental interaction of individuals. Such phenomena as public opinion, custom, mob-mind, invention, imitation, prestige and personal ascendancy will be studied. Winter term: Three days a week. Elective for Juniors and Seniors. Prerequisite, course F.

COURSE H.—*Practical Sociology*. Methods employed to improve the condition of the dependent, defective, and delinquent classes; principles of relief; causes, treatment, and prevention of crime; and other topics connected with the betterment of social arrangements. Spring term: Three hours a week. Elective for Juniors and Seniors. Prerequisite, course F.

Courses F, G and H together constitute a year's consecutive work in the subject of sociology.

COURSE I.—*Railway Transportation*. The progress of railway industry in the United States; the extension, reorganization, and consolidation of railway systems; competition, discriminations, rate-making, and the relation of the railway to the state. Fall term: Three days a week. Prerequisite, course D.

COURSE J.—*Socialism*. A study of the origin and growth of the socialist movement; its economic, political, and scientific aspects; its leading exponents; a critical examination of its constructive proposals. Winter term: Four days a week. Prerequisite, course D.

COURSE K.—*Trusts and Monopolies*. A study of the causes, advantages, and dangers of large-scale production as seen in the modern trust; the present organization of business enterprise; the nature and extent of monopoly. Spring term: Three days a week. Prerequisite, course D. Alternates with course L. Given in 1907-08.

COURSE L.—*Municipal Problems*. The conditions arising from the concentration of population in the modern urban community; racial, industrial, and political groupings; municipal transportation; municipal art; the practice of democracy in the municipality. Spring term: Three days a week. Prerequisite, course A. Alternates with course K.

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## American Constitutional and Common Law

This course is an elective, twice a week through the Senior year. The instruction is partly by recitation and quiz, and partly through lectures by the instructor, who is a member of the bar. Black's American Constitutional Law is in use as a text-book. The Law Library at the State Capitol, accessible to all students, furnishes an opportunity for special investigation to those who intend following the law after graduation.

## Psychology and Philosophy

The trustees have decided to add another member to the faculty before the beginning of the new school year, and to give him charge of the department of Psychology and Philosophy. The details of the course will be arranged by the professor himself, but a year's work has been provided for in the separate subjects.

COURSE A.—*Psychology*. A full year's work in Psychology four times a week, elective for Juniors.

COURSE B.—*Philosophy*. A year's course in Philosophy four times a week, elective for Seniors.

COURSE C.—*Logic*.—One term's work in Logic four times a week, elective for Seniors.

COURSE D.—*Ethics*. Two terms' work in Moral Science four times a week, elective for Seniors.

COURSE E.—*Natural Theology*, twice a week through spring term. Optional for Seniors.

COURSE F.—*Evidences of Christianity*, three times a week through spring term. Optional for Seniors.

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## English Bible

Three years of consecutive Bible Study are given under charge of the professors of History, Literature and Sociology, as follows:

COURSE A.—*Bible as History*. Professor Innis. This course will treat of Bible History, the Bible as History and the History of the Bible, through investigation by the students and lectures by the Professor. Once a week, elective for Sophomores.

Fall Term: Bible History to Division of Kingdom of Israel. Winter Term: Bible History, including History of Jews, to Time of Christ. Spring Term: New Testament History and History of the Bible.

COURSE B.—*Biblical Literature*. Professor Cooper. The course in Biblical Literature for the year 1907-1908 will be a study of the simpler forms of Old Testament Poetry and Prose. Fall Term: Old Testament Story and Idyl. Winter Term: Lyric Poetry of the Bible. Spring Term: Book of Job.

COURSE C.—*The Social Teachings of Jesus*. Professor Woods. A study of the social problems of our time in the light of the teachings of Jesus regarding the family, the state, the rich and the poor, social intercourse and similar topics. The relation of the church to social progress will be considered both historically and in view of present conditions. Lectures, text, and class room discussions. One hour a week through the year. Elective for Juniors and Seniors.

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## Mathematics

Professor Drew

COURSE A. I—*Plane and Spherical Trigonometry*. Five times a week, fall term.

II.—*University Algebra*. Functions, Theory of Limits, Derivatives, Development of Functions in Series, Convergency and Summation of Series, Computation of Logarithms, Chance, Choice,

Graphic Solution of Equations and Systems. Five times a week, winter and spring terms. Especial attention is given to Derivatives and Graphic Solutions. Course A is required of all Freshmen.

COURSE B. I.—*Analytic Geometry*. Three times a week during fall term. An elementary course containing what is presupposed in II and III.

II.—*Differential Calculus*. Three times a week during winter term. An elementary course devoted to the Theory of Limits, Fundamental Conceptions, and the Derivatives of the simpler Functions.

III.—*Integral Calculus*. Three times a week during spring term. This course presents only the simpler methods of integration.

Course B is elective for all who have had Course A. Illustrative examples taken from the Physical Sciences are introduced.

COURSE C. I.—*Differential Calculus*. Devoted to Higher Derivatives and the Functions of several variables. Two hours a week, fall term.

II.—*Analytic Geometry*. General equation of the second degree, higher plane curves, and an introduction to geometry of three dimensions. Two hours a week, winter term.

III.—*Solid Analytic Geometry*. Two hours a week, spring term.

Course C is elective for all who have had Courses A and B.

## Astronomy

Three times a week, spring term. An outline course in Descriptive Astronomy.

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## Physics

**Professor Batchelder**

COURSE A.—*Elementary Mechanics.* This course continues through the first term of the Sophomore year; four exercises per week. It includes the problems of the composition and resolution of forces, rectilinear and periodic motion, curvilinear and rotary motion, including projectiles, and is intended to furnish the student with such mathematical data as will enable him to solve readily the problems arising in the subsequent courses. Elective for Sophomores or Juniors.

COURSE B.—*Physics.* Second and third terms, four exercises per week. A general course, including mechanics of liquids and gases, sound, heat, electricity and magnetism, and light. Instruction is given by means of recitation and experimental lectures. Elective for Sophomores or Juniors.

COURSE C.—*Physics.* A laboratory course in Physics extending through one year, two hours credit per week. The work is quantitative in character. In addition to the laboratory work, the student is required to read certain indicated works.

This course may be taken concurrently with Course A and B, or may follow these courses in any subsequent year.

## Chemistry

**Professor Batchelder**

COURSE A.—*General Chemistry.* This course continues through the first two terms of Junior year, three afternoons a week. The instruction is given by lectures, recitations and laboratory work, first upon the non-metals and their compounds. After this the more commonly occurring metals and their compounds are taken up in like manner. Elective for Sophomores and Juniors.

COURSE B.—*Basic and Acid Qualitative Analysis.* This course extends through the third term of Junior year, three afternoons each week. It consists largely of work in the laboratory, where the student first learns the characteristic reactions for all the common metals, and then applies these tests to the qualitative determination of simple solutions. Especial attention is next given to the determination of the acids, the qualitative analysis of dry substances and to the use of the blow-pipe. The course is accompanied by a course of expository lectures, and especial attention is given to the subject of the chemical equation. Elective for those who have taken Course A.

COURSE C.—*Quantitative Analysis.* This course extends through one year. The student is first taught the use of the balance, and then proceeds to the quantitative determination of a number of simple salts. After this follows the quantitative separation and determination of more or less complicated

compounds, involving gravimetric as well as volumetric methods. Elective for those who have taken Courses A and B.

COURSE D.—*Organic Chemistry*. A course in organic chemistry on the basis of Remsen's "Chemistry of the Carbon Compounds." Laboratory work, lectures and recitations. Two terms of Senior year, four afternoons a week. Elective for those who have taken Courses A and B.

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## Biology

Professor Osborn

COURSE A.—*Elementary Invertebrate Zoology*. Three times a week, for three terms. This is a course in college zoology, and can be taken with or without a previous course in high school zoology. It consists of laboratory and lecture room studies of animals from various classes of invertebrates, familiar forms being used as far as suitable, dissections, drawings, study of microscopic sections, lecture note books and quizzes are among the methods of study employed. The design is to explore the facts of animal life as a means of training correct observation, record and inference. The Frog, Amœba, Hydra, Coral Polyp, Fasciola, Trichina, Unio, Cambarus, and the Grasshopper are among the animals studied. Alternative with History A. for Philosophy Freshmen, and optional for all Sophomores.

COURSE B.—*General Biology*, three times a week, through the Fall term. This is an advanced course involving practice and information derived in course A, and is not open to students who have not completed that course and shown proficiency in it. After learning the use of the Compound Microscope the student acquires a personal acquaintance with a large variety of animal and plant cells by examination of Amœbæ, Yeast, Protococcus, Penicillium, Spirogyra, Geranium Leaf, Paramæcium, Vorticella, Hydra and other subjects. The physiological conditions of cell life are investigated on Yeast as a subject; diet, temperature, light, moisture and poisons are examined, and the results are required to be set forth in a formal thesis which illustrates and thoroughly discusses the observations. This course includes considerable cryptogramic botany, is preliminary to Course F, Botany, and must be taken as a prerequisite for that course. Optional for Sophomores, Juniors and Seniors who have completed Course A.

COURSE C-I.—*Vertebrate Morphology*, three times a week through the Winter term. This is a course of practical dissections of a fish, salamander and a number of mammalian organs, such as the heart and lungs, mouth, nose and throat, eye and brain, together with lectures on the comparative anatomy of vertebrates; it is preliminary to the course in Human Physiology, and is optional for Sophomores, Juniors and Seniors who have completed Course A.

COURSE C-II.—*Mammalian Histology*, three times a week through the Spring term. This is an elementary course of laboratory work and lecture studies in the histology of the tissues and some of the more important organs of the mammalian body, preliminary to the study of Human Physiology. It is based in part on the study of fresh material and in part on prepared slides. Optional for Sophomores, Juniors and Seniors who have completed Course A.

COURSE D.—*Mammalian Physiology*, four times a week for the Fall and Winter terms. This is a lecture and recitation course, accompanied by demonstrations, but individual laboratory study in physiology is not attempted. The attempt is, however, made so far as possible to consider the experimental data of the science. The earlier courses of biology are utilized extensively in the illustration of this course and are a prerequisite for it. Optional for Juniors or Seniors.

COURSE E.—*Advanced Biology*, twice a week through the year. This individual and practical course is open only to students who have shown special fitness for and marked progress in practical biological work and who have completed Courses A, B and C. Formal instruction is given supplemented by individual laboratory work on biological topics and problems which are suggested and the student is guided in making a somewhat independent study of them. The results are to be reported in a satisfactory illustrated article.

COURSE F.—*Botany*; this course is given in continuation of course B which takes up cellular botany and deals with the morphology of flowering plants and the night cryptograms. It is open only to students who have completed courses A and B, and is offered only in alternate years. It will be given in the year of 1908-9.

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## Geology

**Professor Osborn**

A general course in the elements of Geological Science is given during the Spring term, four times a week, The course is based on Geikie's Class Book of Geology, and will attempt to devote especial attention to the recognition of the commoner minerals, rocks and fossils of the vicinity of St. Paul, and the chief illustrations of dynamical geology of this region. Optional for Juniors and Seniors. Given in 1907-1908.

## Natural History, Museum and Laboratory

The biological laboratory and lecture rooms are adjoining. There are forty compound microscopes, and full supplies of dissecting instruments and individual lockers, so that every student has complete control of his own instruments. The laboratory is also supplied with the usual appliances for elementary work in morphology and physiology, and includes a myograph and induction apparatus for the study of muscle contraction by the graphic method; the department possesses in connection with the department of physics a

fine stereopticon, and is rapidly equipping itself with lantern slides for use in the classes. There is also an extensive museum of Natural History and Geology. All important topics are illustrated directly from specimens, there are many anatomical preparations, and a large collection of histological slides for class use.

## SYNOPSIS OF THE COURSE OF STUDY.

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### FRESHMAN YEAR.

Fall Term	LATIN.—Livy. 4. or GERMAN.—4. or FRENCH. 4. MATHEMATICS.—Plane and Spherical Trigonometry. 5. <i>Arts Course, Classical</i> —GREEK.—Odyssey. 5. <i>Philosophy Course</i> .—AMERICAN POETRY.—2. " " —ELEMENTARY ZOOLOGY. Course A. I. 3. RHETORIC.—2. HISTORY.—4. GREEK.—COURSE AA. 5.
	LATIN.—Livy. 4. or GERMAN OR FRENCH. 4. MATHEMATICS.—Algebra. 5. <i>Arts Course</i> .—GREEK, Lysias. 5. <i>Philosophy Course</i> .—AMERICAN POETRY.—2. " " —ELEMENTARY ZOOLOGY. Course A. II. 3.
	RHETORIC.—2. HISTORY.—4. GREEK.—Course AA. 5.
	LATIN.—Horace. 4. or GERMAN OR FRENCH. 4. MATHEMATICS.—Algebra. 5. <i>Arts Course</i> .—GREEK, Xenophon, Memorabilia. 5. <i>Philosophy Course</i> .—AMERICAN POETRY—2. " " —BIOLOGY. A. Course A. III. 3.
	RHETORIC.—2 HISTORY.—4. GREEK,—Course AA. 5.

### SOPHOMORE YEAR.

Fall Term	PHYSICS A—Carhart. 4. ENGLISH LITERATURE.—3. GERMAN.—4. FRENCH.—4. LATIN.—Terence. 2½. POLITICAL SCIENCE.—4.	GREEK.—Plato. Apology. 2½. ANALYTICAL GEOMETRY. 2½. HISTORY.—4. BIOLOGY B.—3. RHETORIC.—E. or F. 1. CHEMISTRY.—4. BIBLE.—1.
	PHYSICS B.—4. ENGLISH LITERATURE.—3. GERMAN.—4. FRENCH.—4. LATIN.—Cicero's Laelius or Pliny's Letters. 2½. POLITICAL SCIENCE.—4.	GREEK.—Sophocles, Antigone, 2½. ANALYTICAL GEOMETRY.—2½. HISTORY.—4. BIOLOGY. C. I.—3. RHETORIC—E. or F. 1. CHEMISTRY.—4. BIBLE.—1.
	PHYSICS B.—Lectures. 4. ENGLISH LITERATURE.—3. GERMAN.—4. FRENCH.—4. LATIN.—Horace, DeArte Poetica or Quintilian. 2½. POLITICAL SCIENCE.—4.	GREEK.—Demosthenes, De Corona. 2½. ANALYTICAL GEOMETRY.—2½. HISTORY.—4. BIOLOGY C. II.—3. RHETORIC.—E, or F. 1. CHEMISTRY.—4. BIBLE.—1.

The figures indicate the number of class exercises per week.

**JUNIOR YEAR**

Fall Term	ENGLISH LITERATURE.—4.	GERMAN.—3.
	RHETORIC.—E. or F.—4.	FRENCH.—2.
	HISTORY.—3.	LATIN.—2.
	CHEMISTRY.—Course A.—4.	CALCULUS.—2½.
	BIOLOGY B.—3.	GREEK.—2½.
	HUMAN BODY.—4.	POLITICAL ECONOMY.—4.
	EDUCATION.—4.	BIBLE.—1.
Winter Term	ENGLISH LITERATURE.—4.	GERMAN.—3.
	HISTORY.—3.	FRENCH.—2.
	CHEMISTRY.—Course A.—4.	LATIN.—2.
	BIOLOGY; C. I.—3.	CALCULUS.—2½.
	HUMAN BODY.—4.	GREEK.—2.
	EDUCATION.—4.	POLITICAL ECONOMY.—4.
	PSYCHOLOGY.—4.	BIBLE.—1.
Spring Term	ENGLISH LITERATURE.—4.	GERMAN, Goethe.—3.
	RHETORIC.—E. or F. 1.	FRENCH.—2.
	HISTORY.—3.	CALCULUS.—2½.
	CHEMISTRY. B.—4.	GREEK.—New Testament, 2.
	DESCRIPTIVE ASTRONOMY.—Young. 3.	LATIN.—2.
	BIOLOGY. C. II.—3.	POLITICAL ECONOMY.—4.
	EDUCATION.—4.	BIBLE.—1.
<b>SENIOR YEAR</b>		

Fall Term	HISTORY.—3.	CHEMISTRY C.—2 or 4.
	EDUCATION.—3.	BIOLOGY B.—3.
	ENGLISH LITERATURE.—3 or 4.	BIOLOGY E.—4.
	SOCIAL SCIENCE.—4.	HUMAN BODY.—2.
	PHILOSOPHY.—4.	CONSTITUTIONAL LAW.—2.
	LOGIC.—4.	GERMAN,
		BIBLE.—1.
Winter Term	HISTORY.—3.	CHEMISTRY D.—4.
	EDUCATION.—3.	PHYSICS C.—2.
	ENGLISH LITERATURE.—3 or 4.	BIOLOGY C. I.—3.
	CHEMISTRY C.—2 or 4.	BIOLOGY E.—2.
	SOCIAL SCIENCE.—4.	HUMAN BODY.—4.
	PHILOSOPHY.—4.	CONSTITUTIONAL LAW.—2.
	ETHICS.—4.	BIBLE.—1.
Spring Term	NATURAL THEOLOGY.—Chadbourne Lectures. 2.	CHEMISTRY C.—2 or 4.
	EVIDENCES OF CHRISTIANITY.—Hopkins.—2.	CHEMISTRY D.—4.
	INTERNATIONAL LAW.—4.	PHYSICS C.—2.
	SOCIAL SCIENCE.—4.	BIOLOGY C. II.—3.
	EDUCATION.—3.	BIOLOGY E.—2.
	ENGLISH LITERATURE.—3 or 4.	BIOLOGY F.—4.
	PHILOSOPHY.—4.	GEOLOGY.—4.
	ETHICS.—4.	AMERICAN COMMON LAW.—2.
		BIBLE.—1.

## PREPARATORY DEPARTMENT

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The Preparatory Department, although separated in some respects from the College Department, is yet kept in vital connection with it, and its members have many of the privileges and advantages of students in the higher classes. Students entering this department will be expected to have completed Practical Arithmetic, English Grammar and United States History. Students can enter the higher classes by presenting a satisfactory certificate, or upon examination. The Roman method of pronunciation is used in the Latin classes.

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## COURSES OF INSTRUCTION

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### Preparatory Department

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#### FIRST YEAR

##### Fall Term

ALGEBRA.—5.

LATIN GRAMMAR.—5.

ENGLISH.—5.

##### Winter Term

ALGEBRA.—5.

LATIN GRAMMAR.—5.

ENGLISH.—5.

##### Spring Term

ALGEBRA.—5.

LATIN GRAMMAR.—5.

ENGLISH.—5.

#### SECOND YEAR

##### Fall Term

CAESAR.—5.

PLANE GEOMETRY.—5.

PHYSIOLOGY.—5.

**Winter Term**

CAESAR.—5.

PLANE GEOMETRY.—5.

PHYSIOLOGY ONE-HALF TERM—5.

BOTANY ONE-HALF TERM.—5.

**Spring Term**

CAESAR.—5.

PLANE GEOMETRY.—5.

BOTANY.—5.

**THIRD YEAR****Fall Term**

GENERAL HISTORY.—4.

CICERO—4.

GREEK OR CHEMISTRY.—4.

ENGLISH.—4.

**Winter Term**

GENERAL HISTORY.—4.

CICERO—4.

GREEK OR CHEMISTRY.—4.

ENGLISH.—4.

**Spring Term**

GENERAL HISTORY.—4.

CICERO—4.

GREEK OR CHEMISTRY.—4.

ENGLISH.—4.

**FOURTH YEAR****Fall Term**

VIRGIL.—4.

GREEK OR PHYSICS.—4.

SOLID GEOMETRY AND ALGEBRA.—4.

LITERATURE—4.

**Winter Term**

VIRGIL.—4.

GREEK OR PHYSICS.—4.

SOLID GEOMETRY AND ALGEBRA.—4.

LITERATURE—4.

**Spring Term**

VIRGIL.—4.

GREEK OR PHYSICS.—4.

SOLID GEOMETRY AND ALGEBRA.—4.

LITERATURE—4.

Under English is included the presentation of Compositions and Declamations.

Latin Prose Composition throughout the course.

**STUDENTS****FOURTH PREPARATORY**

AVISON, CLAYTON C.,	Hamline
BRANN, MERTON L.,	Houston
BRANN, W. EARL,	Houston
EARL, ALVA S.,	Minneapolis
ELY, OWEN,	Hamline
GLASS, WARREN,	Hamline
HENEMAN, BLANCHE,	Lester Prairie
HEWITT, EZRA,	Hamline
KACHEL, EDWIN B.,	St. Paul
LOCKER, GLEN,	Hamline
MATCHETT, HENRY,	North Hamline
PALMER, EDITH B.,	Brownsdale
ROBINSON, RHEA B.,	Minneapolis
RUSSELL, BLANCHE,	Los Angeles, Cal.
WARREN, WINNIE,	Woodstock

**THIRD PREPARATORY**

BROWN, DAN O.,	Hanley Falls
CALDWELL, WILLIAM A.,	Thief River Falls
CHINN, RICHARD J.,	McKinley
DAILEY, WILLIAM,	St. Paul
FINNEY, JEWEL,	Hamline
KUHN, EARL, M.,	Minneapolis
LARSEN, LUILLA,	Clark's Grove
LEA, JOHN,	Hamline
LUNDBERG, THORA,	Center City
McGEE, JOHN R.,	Minneapolis
McKEAN, LESLIE G.,	Minneapolis
MCLEOD, NORMA,	Hamline
MEIXELL, WARD,	Lake Crystal
PETERSON, ALBERT,	Edgerton
POSTON, FRANK,	Thief River Falls
POSTON, SIDONA,	Thief River Falls
STORR, HAZEL,	St. Paul
SWEITZER, JAMES R.,	Hamline
TAYLOR, CHAS. E.,	Hamline
WELLS, MARJORIE,	Hamline

## SECOND PREPARATORY

ACKERMAN, GLADYS,	Hamline
ADAMS, CHESTER,	Plainfield, Wis.
BERG, NELS,	Sebeka
BROWN, BEN,	Hanley Falls
RAVEN, L. L.,	Armenia, N. Dak.
CULBERTSON, ROBERT B.,	Birchwood, Wis.
DEARBORN, FANNIE,	St. Paul
DODDS, HARRY,	Hamline
GOODMAN, JOHN W.,	Sheldon, N. Dak.
HAGGANS, G. L.,	Rockwood, Ont.
HANNA, ANNA B.,	Hamline
HELGESON, ALICE,	Merriam Park
HELLIWELL, GEORGE F.,	Milwaukee, Wis.
HILLMAN, ALICE,	Merriam Park
HOLTON, THEODORE,	Washburn, N. Dak.
LILJENGREN, LYDIA A.,	Minneapolis
LOCKER, MARY M.,	Hamline
LUNDSTEN, FRANCES,	Waconia
MALLERY, ALFRED,	Lakeville
McCarthy, WILLIAM R.,	St. Paul
MERRY, ALICE,	Dickinson, N. Dak.
NALL, FRANCES,	Hamline
NICKERSON, MARY S.,	Hamline
NOLTIMER, LILLIAN M.,	Hamline
PARKS, IMA L.,	Hamline
POSTON, BERTHA M.,	Thief River Falls
QUARNSTROM; EUGENE G.,	Bonesteel, S. Dak.
RICHARDSON, CHAS.,	Grantsburg, Wis.
RIVES, LUCILE,	Merriam Park
SMITH, C. PAUL,	Hamline

## FIRST PREPARATORY

ADAMS, CHAS. F.,	Plainfield, Wis.
BEAULIEU, CLARENCE R.,	White Earth
BEAULIEU, FLORENCE,	White Earth
BENSON, CLYDE L.,	Hamline
BERTELSON, ANTON,	Albert Lea
BUCKNELL, ROY,	Hamline

COLEMAN, CHESTER,	Minneapolis
COOPER, RICHARD W.,	Hamline
CULBERTSON, PURL,	Birchwood, Wis.
DAHL, NEIL G.,	St. Hilaire
DENSMORE, L. L.,	Edgewood, Iowa
DREW, RALPH S.,	Hamline
FREEMAN, ELMER,	Clear Lake, Wis.
HEFFRON, L. D.,	Hamline
HINGELEY, JOHN B.,	Minneapolis
LINDSEY, LYNN,	Minneapolis
LYONS, CHAS.,	St. Paul
McCOMBS, MARSHALL ,	Hewitt
McCREA, ROSCOE,	Drayton, N. Dak.
McGEE, HELEN,	Merriam Park
MILLER, FLORENCE,	Hamline
MORRISON, MABELLE G.,	Hamline
NELSON, LUSEA,	Hamline
PADDEN, ELSIE,	Austin
PARKER, REED,	Minneapolis
PERKINS, LEE R.,	Mountain Lake
SORENSEN, MARTIN,	Hutchinson
STERN, SIMON,	St. Paul
SWANSTROM, CAROLINE,	Hamline
VOORHEES, EDWARD L. N.,	Westport
WATEROUS, IRENE,	St. Paul
WHITED, CIRO N.,	Minneapolis

## DEPARTMENT OF ORATORY

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The work of the department comprehends all that relates to the study and teaching of the fine art of public reading in its broadest sense—the understanding of the relation of art to life—the study of the interpretative forms of literature and the careful training of all the faculties and agents necessary to the artistic translation of these forms back to life.

### *A Map of the Idea:*

*The First Factor—The Man.* The relation of the student to himself as an instrument.

*The Second Factor—The Message.* The relation of the student to his truth or message.

*The Third Factor—The Manner.* The relation of the student to his art and to his audience.

*Gesture*—The object of gesture to awaken a consciousness of the mind's mastery over the body. Harmonic gymnastic, Choice, Economy, Suggestion.

*Voice—The Scientific Training of the Speaking Voice.* The object of vocal training to free the instrument and render it obedient and responsive to thought and emotion. Exercises for breath control, variation of pitch, pure and musical tones, flexibility of inflection, clear enunciation and proportion, in emphasis.

The dominant idea is Practice. The Processes of instruction, founded upon recognized principles of art and life, are revelatory and self-discovering, rather than arbitrary and academic. The motto holds, To do is to know.

## DEPARTMENT OF ORATORY

## STUDENTS

ADAMS, MRS. CHAS.,	Hamline
ALBERTSON, FAYE,	Huron, S. Dak.
ANDERSON, CORA,	Redwood Falls
BERRY, ISABEL	Minneapolis
BRIERLEY, JESSIE,	Fargo, N. Dak.
CRANDELL, ANNA	Minneapolis
DRYDEN, GENEVIEVE,	Windom
EPTON, EFFIE,	Rolla, N. Dak.
GOERTZ, HENRY,	Mountain Lake
GUNDERSON, ROSE,	Brown's Valley
HAINES, EARL,	Halloway
HENEMAN, BLANCHE,	Lester Prairie
HESKETH, CLARA,	Rolla, N. Dak.
HICKMAN, LAURA,	Bath, S. Dak.
HIGBIE, LELAND,	Grand Meadow
HUSER, MILDRED,	Chicago, Ill.
HUSER, THOMAS,	Cumberland, Wis.
KACHEL, OLIVE,	St. Paul
LINDERHOLM, ADELINE,	Belgrade
LITTLE, JOHN,	Kasson
LUNDBERG, THORA,	Center City
OLIVER, GUY,	Hamline
PARISH, JESSIE,	Redwood Falls
PARISH, JOHN L.,	Pine City
PETERSON, FRED,	Lafayette
PETKIN, MRS. CHAS.,	St. Paul
RASEY, JESSIE,	St. James
REDDING, SIBYL,	Windom
ROAN, ANNA,	Ellsworth
ROBINSON, HOWARD,	Redwood Falls
ROBINSON, WM. Z.,	Pine Island
SCHEI, LAWRENCE,	Minneapolis
SCHOCH, ALICE,	St. Paul
SEAMER, MARY,	St. Paul Park
SHANNON, PAUL,	Buffalo
SYLVESTER, NETTIE,	Plainview
THUNE, ZELMA,	Redwood Falls
WARNER, OHMER,	St. Paul

## DEPARTMENT OF MUSIC

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The Department of Music furnishes instruction in piano playing, singing, harmony.

The instruction in music, both instrumental and vocal, is by private lesson and not in classes. This gives better opportunity to meet the individual needs of pupils. Lessons last half an hour and cost at the rate of \$1.00 each, payable per term in advance. To secure the best results students should take two lessons each week.

There is opportunity for chorus singing in connection with the vocal music class.

The nearness of the University to the two cities enables students to hear frequently superior music and musical lectures, an important supplement to the teaching of the Music Department. The course of music is so arranged with reference to the regular college course that both can be taken simultaneously without detriment.

**STUDENTS**

ANDERSON, WESLEY G.,	Hamline
AVISON, GENEVIEVE,	Hamline
BELL, BERTHA,	New Richmond, Wis.
COOLEY, MYRTICE,	Otsego
EVANS, ELLA,	Montevideo
EVANS, MARIE,	Montevideo
FRALEY, D. FRED,	Windom
HAINES, FLORENCE,	Milbank, S. Dak.
HALL, FLORENCE,	Midland, S. Dak.
HICKMAN, EUGENE C.,	Bath, S. Dak.
HONEY, ADA M.,	Park River, N. Dak.
JOHNSON, MERRILL L.,	Goodhue
McDOWELL, EFFIE,	Hutchinson
NELSON, IDA,	Dawson
OLSON, STANLEY D.,	Grantsburg, Wis.
PACKARD, RICHARD A.,	Rolla, N. Dak.
PALMER, CLAUDE E.,	Marshall
PRICHARD, HAZEL,	Thief River Falls
WALTZ, IRENE,	Stillwater
WARREN, WINNIE,	Woodstock

## GENERAL INFORMATION

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The College of Liberal Arts is admirably located. While its site is within the limits of the city of Saint Paul, and it is thus directly accessible from all parts of the State by a dozen or more different lines of railroad, it is at the same time situated in a suburb midway between the Twin Cities. The community in which the Collegiate Department is placed has grown up with the college as its center, so that very many of its numerous pleasant homes are socially open to the students, and many families have moved to it to give their children the advantage of the college course. It has a beautiful new church, the life of which is intimately related to the student life in many ways. The students thus have all the advantages of a residence in a small town at a distance from the noise and disturbance of great metropolitan cities. And yet the location is extremely convenient with regard to both of the Twin Cities; electric car service at very frequent intervals places all parts of both Saint Paul and Minneapolis within easy reach. The advantages growing out of this are very great, without at all detracting from the quiet favorable to student life; it enables the students who are to be among the future people of affairs in Minnesota to come in practical touch with all the highest and most recent aspects of modern life. All the best entertainments, the best lectures, the best music, the greatest political speakers, and national heroes visit one or both

of these cities in their tours of the country. During the years of his life the student will never have more or better chances to see and hear the best things than while he is at the same time pursuing his academic studies in the college halls. The cities, too, offer permanent advantages of all sorts, whether it be in their beautiful public buildings, among which is to be mentioned our new State Capitol, passed in every trip on the street car to Saint Paul, or in public libraries, or in the sessions of the law courts, or of the State Legislature, or in their great industrial enterprises. All of these advantages the student imbibes incidentally; while they in no way detract from his life as a student, they materially aid in putting him in touch with modern life. The proximity of the cities also affords many opportunities for self-support, by employment that can be obtained outside of college hours. Such employment also yields valuable experience with commercial life and the practical life of affairs, which is more and more felt to be of the highest value to the college-bred man or woman.

## LIBRARY

Through the generous gift of Mr. Andrew Carnegie a new Library building has been provided for, and an endowment fund has been raised for its support. The plans have been drawn, the material is being hauled and the new building will be ready for use at the opening of the fall term.

The Library at present located in University Hall is well adapted for supplementary reading and research. Investigation in the Library is made an especial feature of class work. The Library is open daily from 8:00 a. m. until 5:00 p. m. It is free to all students, and they are aided in consulting it by the Librarian and by members of the Faculty. The Library is provided with the best periodicals and with other papers and pamphlets on the principal questions of the day. The Public Libraries of both Saint Paul and Minneapolis, and the Library of the Minnesota Historical Society, are in easy reach and freely accessible to all students.

### **PHYSICAL CULTURE**

Physical culture at Hamline University is under the supervision of a resident Physical Director, who is a member of the Faculty. The physical needs of each student are carefully considered and the special form of exercise most desirable recommended. Regular training is maintained in the Gymnasium throughout the winter months, which, together with the organized athletics of the University, secures the largest possible opportunity to each student. Hamline is a member of the State Athletic League, and has established athletic relations with several colleges in other states, so that great interest is given to the out-door college sports of the fall and spring.

### **NORTON FIELD**

Through the generosity of the Hon. Matthew Norton, president of the Board of Trustees, an admirable athletic field, with all modern improvements, was last

season laid out by a committee of the faculty and alumni, near the University buildings. It is provided with all necessary facilities for baseball, football, track athletics and tennis, including a grandstand seating seven hundred spectators, and containing dressing-rooms and storerooms for the use of students.

The gymnasium is at present in the basement of Science Hall. It contains 6,000 feet of floor space and is equipped with running track and the necessary apparatus for light and heavy gymnastics. It is also fully fitted with the latest improvements in shower-baths, closets and lockers.

The general supervision of athletics in the University is committed to an advisory board, the chairman of which is the Dean of the College of Liberal Arts.

### LITERARY SOCIETIES

There are ten Literary Societies in connection with the College of Liberal Arts. The Philomathean, Amphictyon, Phi Alpha and Euphronian are for college men; Browning, Athenæn, Alpha Phi and Euterpian for ladies; the Zarephathian for young men, and the Ingelow for young ladies of the preparatory department.

The Hamline Oratorical Society, a branch of the State Oratorical Association, and the Ladies' Oratorical Association, are especially designed for the cultivation of oratory.

Students are urged to take advantage of the excellent opportunities afforded by these societies and frequent public literary exercises add their stimulus to growth in thought and experience.

**RELIGIOUS SERVICES**

Students are expected to attend chapel exercises daily and preaching every Sabbath, at such places as they or their parents may designate at the opening of the term.

Voluntary meetings of the students, collectively or by classes, are held frequently under the direction of the students themselves or with some member of the Faculty as leader. A revival spirit is constantly present, growth in Christian life and work is successfully cultivated, and the young people are prepared for the wider field in church work that lies before them. The experience of the University shows that intellectual and religious culture ought not to be separated, but that both reach their highest development together.

Flourishing branches of the College Y. M. C. A. and Y. W. C. A. are organized and doing efficient work. The quality of the religious work done at Hamline is well attested by the numerous missionaries in foreign lands, and by the high grade of church work done by the Alumni in Minnesota and other states.

**LADIES HALL**

Ladies' Hall is capable of accommodating about seventy young women. The rooms are heated by steam and lighted by gas. They are also furnished with bedstead, mattress, table, chairs, bureau, wash-stand, mirror, bowl and pitcher. All other articles students will provide for themselves. Occupants of the rooms will be expected to keep them in order, and

to make good all breakage and injury to property beyond ordinary wear. This building has been extensively renovated during the past year and much improved by the addition of a rest room beautifully furnished and decorated by one of the recent alumnae. Room rent, one dollar and a quarter per week.

### BOARD

The Dining Hall is in the basement of the Ladies' Hall. It is regarded by the Faculty as desirable that young ladies from a distance should board and room in Ladies' Hall, and they will find it in many ways to their advantage to do so.

In the event, however, of young ladies wishing to board in clubs or private families, application for permission to do so must be made by their parents in writing to the President or Dean, and each application so made will be considered on its merits. Arrangements for boarding in Ladies' Hall must be made by the year.

Gentlemen will be permitted to select their own boarding places with private families, subject, however, to the approval of the Faculty; and when once selected no change will be permitted during the term without the consent of the President obtained before removal.

The cost of board at Ladies' Hall is at present as follows:

Board, per week ..... \$3.00

For guests a charge will be made of 25 cents per meal.

The expenses of board, fuel, washing and light in private families is \$4.00 to \$4.50 per week.

## NECESSARY EXPENSES

Tuition, College Classes, per term.....	\$12.00
Tuition, Preparatory Classes, per term.....	10.00
Incidentals, per term, all classes.....	2.00
Physical Laboratory fee, per term, course C.....	2.00
Chemical Laboratory fee, per term, Courses A, B, C & D.....	3.00
Botany Fee, per term.....	1.00
Biological Laboratory fee, per term, courses A, B, C, E .....	2.00
Apparatus broken by the student will be charged to his account.	
Oratory, for term, (10 lessons), private, $\frac{3}{4}$ hour....	10.00
Oratory, for term, (10 lessons), private, $\frac{1}{2}$ hour....	7.00
Oratory, for term, (10 lessons), class of 2, $\frac{3}{4}$ hour, each .....	5.00
Oratory, for term, (10 lessons), class of 4, $\frac{3}{4}$ hour each .....	3.00
Music, piano or vocal, payable by the term, per lesson of one-half hour .....	1.00
Vocal Music, per term, in classes.....	2.00
Use of piano, one hour daily, per term.....	2.50
Text-books, per year .....	\$10.00 to 15.00

## ESTIMATED YEARLY EXPENSES

	Preparatory.	College.
Tuition and incidentals.....	\$ 36.00	\$ 42.00
Room rent, fuel and light.....	45.00	45.00
Board, thirty-six weeks.....	108.00	108.00
Washing and ironing, 12 pieces per week..	18.00	18.00
Books and stationary, about .....	12.00	12.00
Minimun .....	<hr/> \$219.00	<hr/> \$225.00

The yearly expenses of those boarding in private families will not vary materially from those of students boarding in the institution. Persons desiring extra accommodations will, of course, have to pay higher rates. Music and oratory being extras, are not included in the above estimates.

The attention of parents and students is called to the following requirements, which will be strictly enforced:

Tuition, incidentals, music, and oratory lessons and piano rent are payable by the term in advance.

Board and room rent are payable monthly in advance.

No deduction will be made in tuition and incidentals for an absence of less than half a term, and rent will be charged until the rooms are formally vacated, whether continuously occupied or not.

If a pupil be suspended or expelled, or leaves without the consent of the President, no tuition, incidentals or room rent will be refunded. In all other cases they will be equitably refunded when the absence equals half a term.

Unexpended balances paid in advance for board and washing will be refunded in all cases except when a pupil leaves without giving notice previous to his departure.

A charge of twenty-five cents will be made for each change in registration made at the request of a student after he has once been assigned to classes.

B.

# College of Medicine

(Minneapolis College of Physicians and Surgeons.)

## BOARD OF TRUSTEES

---

G. H. BRIDGMAN, D. D., *Ex Officio*.  
G. C. BARTON, M. D., Term Expires 1908.  
C. A. McCOLLOM, M. D., Term Expires 1908.  
J. T. MOORE, M. D., Term Expires 1909.  
C. H. BRADLEY, M. D., Term Expires 1909.  
D. O. THOMAS, M. D., Term Expires 1910.  
H. B. SWEETSER, M. D., Term Expires 1910.

## OFFICERS OF THE COLLEGE

GEO. H. BRIDGMAN, D. D. PRESIDENT.  
J. T. MOORE, M. D., VICE PRESIDENT.  
GEO. C. BARTON, M. D., DEAN.  
D. O. THOMAS, M. D., TREASURER.  
EDGAR M. DUNN, A. B., SECRETARY AND REGISTRAR.

## FACULTY EMERITUS

---

EDWIN PHILLIPS, M. D.,

*Professor Emeritus of Gynecology.*

J. W. McDONALD, M. D., F. R. S. C. E.,

*Professor Emeritus of the Practice of Surgery.*

COLUMBUS G. SLAGLE, M. D.,

*Professor Emeritus of Pediatrics.*

CHARLES E. SMITH, M. D.,

*Professor Emeritus of Clinical Medicine.*

HUGH N. McDONALD, M. D.,

*Professor Emeritus of Diseases of the Chest.*

CYRUS K. BARTLETT, M. D.,

*Professor Emeritus of Psychological Medicine.*

## FACULTY

---

GEO. H. BRIDGMAN, M. D., PRESIDENT.  
Hamline, St. Paul, Minn.

J. T. MOORE, M. D., C. M., M. C. P. S., VICE-PRESIDENT,  
406 Masonic Temple, Minneapolis.  
*Professor of Theory and Practice of Medicine.*

GEO. C. BARTON, M. D., DEAN,  
1034 Andrus Building, Minneapolis,  
*Professor of Gynecology and Clinical Gynecology.*

WILLIAM J. BYRNES, M. D.,  
210 Masonic Temple, Minneapolis,  
*Professor of Principles of Surgery and Clinical Surgery.*

LEO M. CRAFTS, B. L., M. D.,  
606 Masonic Temple, Minneapolis,  
*Professor of Nervous and Mental Diseases.*

WILLIAM H. HALLOWELL, M. D.,  
101 E. Twenty-seventh Street, Minneapolis,  
*Professor of Obstetrics.*

H. B. SWEETSER, M. D.,  
707 Masonic Temple, Minneapolis,  
*Professor of Practice of Surgery and Clinical Surgery.*

D. O. THOMAS, M. D., L. R. C. P., M. R. C. S., TREASURER,  
504 Masonic Temple, Minneapolis,  
*Professor of Diseases of the Chest.*

CHARLES J. SPRATT, M. D.,  
310 Syndicate Arcade, Minneapolis,  
*Professor of Ophthalmology and Otology.*

CHARLES W. WILLIAMS, M. D.,  
809 Andrus Building, Minneapolis,  
*Professor of Materia Medica and Therapeutics.*

J. D. SIMPSON, M. D.,  
415 Syndicate Arcade, Minneapolis,  
*Professor of Clinical Ophthalmology and Otology.*

- ANTON SHIMONEK, M. D.,  
Defiel Block, St. Paul,  
*Professor of Clinical Surgery.*
- C. A. McCOLLOM, M. D.,  
520 Syndicate Arcade, Minneapolis,  
*Professor of Preventive Medicine and Medical Insurance.*
- NORMAN DREISBACH, M. D.,  
320 Syndicate Arcade, Minneapolis,  
*Professor of Anatomy.*
- CHARLES J. MEADE, M. D.,  
74 West Fourth St., St. Paul,  
*Professor of Clinical Medicine.*
- CHARLES F. DIGHT, M. D.,  
College Building, 7th Ave. and 5th St. S., Minneapolis,  
*Professor of Physiology.*
- EDGAR M. DUNN, A. B., SECRETARY AND REGISTRAR,  
College Building, 7th Ave. and 5th St. S., Minneapolis,  
*Professor of Chemistry.*
- J. FRANK CORBETT, B. S., M. D.,  
615 Syndicate Arcade, Minneapolis,  
*Professor of Bacteriology and Curator of the Museum.*
- J. A. WATSON, M. D.,  
1034 Andrus Building, Minneapolis,  
*Professor of Pathology and Diseases of Nose and Throat.*
- CHARLES H. BRADLEY, M. D.,  
416 Masonic Temple, Minneapolis,  
*Professor of Physical Diagnosis and Clinical Medicine.*
- ARNOLD SCHWYZER, M. D.,  
Moore Block, St. Paul,  
*Professor of Clinical Surgery.*
- EDUARD BOECKMANN, M. D.,  
419 East Tenth Street, St. Paul,  
*Professor of Clinical Ophthalmology.*
- GUSTAV A. RENZ, M., D.  
255 Lowry Arcade, St. Paul,  
*Professor of Clinical Gynecology.*

FREDERICK J. PLONDKE, M. D.,  
Seventh and Margaret Sts., St. Paul,  
*Professor of Clinical Pathology.*

L. A. NELSON, M. D.,  
Lowry Arcade, St. Paul,  
*Professor of Clinical Ophthalmology and Otology.*

GEO. P. CRUME, M. D.,  
815 Andrus Building, Minneapolis,  
*Professor of Dermatology and Genito Urinary Diseases.*

FRANKLYN T. POEHLER, B. S., M. D.,  
405 Syndicate Arcade, Minneapolis,  
*Professor of Diseases of the Chest and Clinical Medicine.*

J. H. STUART, M. D.,  
416 Pillsbury Building, Minneapolis,  
*Professor of Electro Therapeutics.*

CHAS. F. DISEN, M. D.,  
2600 E. Twenty-second St., Minneapolis,  
*Professor of Operative Surgery and Demonstrator of Anatomy.*

JAKOB HVOSLEF, M. D.,  
302 Nicollet Ave., Minneapolis,  
*Professor of Orthopedic Surgery.*

## ADJUNCT FACULTY

- R. M. PETERS, M. D.,  
63 Syndicate Block, Minneapolis,  
*Instructor in Theory of Medicine.*
- EDMUND STEVENS, M. D.,  
337 Wabasha St., St. Paul,  
*Instructor in Clinical Obstetrics.*
- ELIZABETH WOODWORTH, M. D.,  
55 Syndicate Block, Minneapolis,  
*Instructor in Histology, Embryology, and Bacteriology.*
- H. T. NIPPERT, M. D.,  
Ninth and Wabasha Sts., St. Paul,  
*Instructor in Clinical Medicine.*
- LOUIS DUNN, M. D.,  
3040 Lyndale Ave. S., Minneapolis,  
*Instructor in Pathology.*
- GEO. J. GORDON, M. D.,  
204 Masonic Temple, Minneapolis,  
*Adjunct Professor of Therapeutics and Instructor in Clinical Obstetrics.*
- A. E. JOHNSON, M. D.,  
2408 Central Ave., Minneapolis,  
*Instructor in Apparatus and Bandaging and Quizmaster in Surgery.*
- ELIJAH BARTON, L. L. D.,  
305 Oneida Block, Minneapolis,  
*Lecturer on Medical Jurisprudence.*
- THOMAS T. WARHAM, M. D.,  
402 Masonic Temple, Minneapolis,  
*Instructor in Dietetics.*

IVAR SIVERTSEN, M. D.,

1034 Andrus Building, Minneapolis,

*Instructor in Clinical Obstetrics and Quizmaster in Gynecology and Medicine.*

JOHN O. TAFT, PH. G.,

College Building, 7th Ave. and 5th St. S., Minneapolis,

*Instructor in Pharmacology.*

MABEL S. ULRICH, M. D.,

220 East Twenty-seventh St., Minneapolis,

*Lecturer on Pediatrics.*

JOHN A. CROSBY, M. D.,

3018 Lyndale Ave. S., Minneapolis,

*Instructor in Clinical Obstetrics.*

OSCAR OWRE, M. D.,

710 Masonic Temple, Minneapolis,

*Instructor in Clinical Surgery and Diseases of the Skin and Genito Urinary Tract.*

H. W. GOEHRIS, M. D.,

401 East Lake St., Minneapolis,

*Instructor in Clinical Microscopy.*

H. M. GUILFORD, M. D.,

804 Pillsbury Building, Minneapolis,

*Instructor in Clinical Medicine.*

**DISPENSARY CLINICAL STAFF**

---

GEO. C. BARTON, M. D., PRESIDENT,  
*Gynecology.*

J. D. SIMPSON, M. D.,  
*Eye and Ear.*

CHARLES H. BRADLEY, M. D.,  
*General Medicine.*

F. T. POEHLER, M. D., SEC'Y. AND TREAS.,  
*General Medicine.*

J. A. WATSON, M. D.,  
*Nose and Throat.*

LEO M. CRAFTS, M. D.,  
*Nervous and Mental Diseases.*

GEORGE P. CRUME, M. D.,  
*Dermatology and Genito Urinary  
Diseases.*

H. B. SWEETSER, M. D.,  
*Surgery.*

OSCAR OWRE, M. D.,  
*Surgery, Dermatology and Genito Urin-  
ary Diseases.*

MABEL S. ULRICH, M. D.,  
*Pediatrics.*

H. M. GUILFORD, M. D.,  
*General Medicine.*

## UNIVERSITY SCHOLARS ASSISTING IN LABORATORY INSTRUCTION.

R. E. SMITH,

*In Bacteriology.*

FRED J. GHOSTLEY,

MARY C. GHOSTLEY,

WAYNE R. BEARDSLEY,

*In Pathology.*

HERBERT H. LEIBOLD,

RICHARD R. CRANMER,

*In Anatomy.*

GEO. H. SIMON,

LEWIS B. VAN DEBOGET,

*In Chemistry.*

## CALENDAR

1907.

- |                    |  |
|--------------------|--|
| Sept. 2—Monday.    | Matriculation books open.                              |
| Sept. 16—Monday.   | Entrance examinations, 9 a. m.                         |
| Sept. 16—Monday.   | Opening lecture, 8:15 p. m.                            |
| Sept. 17—Tuesday.  | Class lectures begin, 9 a. m.                          |
| Sept. 21—Saturday. | Examinations for advanced standing.                    |
| Sept. 28—Saturday. | Examinations for conditioned students.                 |
| Oct. 1—Tuesday.    | Tuition tickets required for admission to<br>lectures. |

Oct. 19—Saturday. Matriculation books close.

*Christmas vacation from Friday evening, December 20, 1907,  
to Tuesday morning, January 7, 1908.*

1908.

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|--------------------|--|
| Jan. 7—Tuesday.    | Class lectures resumed, 9 a. m.                        |
| Feb. 1—Saturday.   | Session tickets required for admission to<br>lectures. |
| Feb. 22—Saturday.  | Washington's Birthday; a holiday.                      |
| May 14—Thursday.   | Final examinations begin.                              |
| May 30—Saturday.   | Memorial Day and Class Night, 8:15 p. m.               |
| June 7—Sunday.     | Baccalaureate Sermon, 10:30 a. m.                      |
| June 10—Wednesday. | Annual commencement, 2 p. m.                           |

## COLLEGE BUILDINGS

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The college building is situated on the corner of Fifth street and Seventh avenue south, and was finished and occupied on January 1, 1900.

The college has been exceedingly fortunate in securing its location, immediately opposite the large new buildings of the city hospital, giving unequaled clinical advantages, and the finest location for a medical college in the Northwest.

The building now occupied is the south wing only, of the complete structure as it is to be. The site has been purchased to provide for the future growth of the department, and is very commodious, containing ample room for all future additions. The entire plans, as drawn, provide for a building one hundred and thirty by one hundred and fifty feet on the ground, and most admirably arranged in every detail for the best work.

The large amphitheater seats two hundred and twenty-five. There are two other large class rooms. The dissecting room with adjoining lavatory is large, extending entirely across the building and admirably lighted across both sides and by skylight. The laboratories are large, airy and carefully arranged for light and convenience. There is a students' reading room and a separate ladies' parlor and retiring rooms. Especial attention has been given to the dispensary rooms which occupy the ground floor. Eleven rooms are devoted to this purpose, with large waiting room, history, clinic and drug rooms, giving by far the best dispensary facilities in the center of the city.

## ANNOUNCEMENT

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The Medical Department (Minneapolis College of Physicians and Surgeons) will begin its twenty-fifth annual course of lectures on September 16, 1907, at 8:15 p. m., at which time the introductory address will be given in the college amphitheater.

### History

The college is the oldest chartered institution for medical education in the state of Minnesota. It was founded in 1883, for the purpose of elevating the standard of medical education in the Northwest, and has always maintained a high standard of requirements.

In 1895 the college became the medical department of Hamline University, which has added greatly to its efficiency and usefulness.

In the same year the course of study was lengthened to four years, beginning with the class entering for that session.

In 1896 the length of the session was increased from six to eight months, and notice was published that on and after the year 1900 a first-grade high school diploma, or its equivalent, would be required for entrance, this being the first school in the Northwest to assume this requirement.

In 1897 an important advance was made by the college in establishing a full list of clinics in St. Paul, with an able corps of instructors and free access to the hospitals of that city.

The faculty includes many of the ablest and best known practitioners in the Northwest, both in general and special fields of practice.

Beginning with the session of 1901-2, the opening of the college year was changed to the third week in September, lengthening the session to eight and a half months.

In 1901 allowance of advanced standing, except to students from recognized medical colleges, was eliminated.

## Hospitals

The clinical facilities of this college are the best that can be obtained in the twin cities, the building being situated in the immediate vicinity of four hospitals of Minneapolis. The various members of the faculty are on the visiting staffs of the hospitals of the two cities. The wards of the Minneapolis City Hospital, Asbury Methodist, St. Barnabas, St. Mary's, and the Swedish Hospitals, in Minneapolis, and the City and County Hospital, St. Joseph's, and Luther Hospitals, in St. Paul, are all freely available for purposes of instruction to the students of this college.

The clinical material is being rapidly increased in both cities, but more especially in Minneapolis, where the City Hospital has added largely to its capacity in completing the new wing for contagious diseases, making the total capacity over 250 beds. Other wings, now in process of construction, and soon to be completed, will also add to the capacity and efficiency of the City Hospital. The Swedish Hospital accom-

modates 125 patients. The new building of Asbury Hospital, accommodating 200 or more, is now occupied, and improvements at St. Barnabas Hospital have added materially to the capacity of this institution. All these hospitals, with over 600 beds, are within ten minutes' walk of the college building, giving a wealth of material for practical instruction not excelled anywhere in the West.

Over twenty hospital appointments are open to the graduates of this college, either by competitive examination or direct choice. The position of hospital steward at the state prison is also open to graduates.

The graduates of last session (1905-6) secured many of the internships in the best hospitals of the twin cities, as well as several outside appointments, as follows:

DR. FRANK X. BOUCHER,	St. Mary's Hospital, Minneapolis.
DR. ALBERT BRASSETT,	St. Joseph's Hospital, St. Paul.
DR. CARL R. BUTTURFF,	City Hospital, Minneapolis.
DR. J. H. GRAHAM,	St. John's Hospital, Fargo, N. D.
DR. JOSEPH A. HEDDING,	St. Joseph's Hospital, St. Paul.
DR. A. E. JOHNSON,	Swedish Hospital, Minneapolis.
DR. JULIUS JOHNSON,	St. Barnabas Hospital, Minneapolis.
DR. JOHN T. LITCHFIELD,	City Hospital, Minneapolis.
DR. NEIL B. MCLEAN,	City and County Hospital, St. Paul.
DR. M. A. MELLENTHIN,	City Hospital, Minneapolis.
DR. T. J. MOYNIHAN,	St. Joseph's Hospital, St. Paul.
DR. E. W. SENN,	St. Barnabas Hospital, Minneapolis.
DR. CARL J. SHELLMAN,	Presbyterian Hospital, Pitsanuloke, Siam.
DR. C. C. THAUWALD,	City and County Hospital, St. Paul.
DR. EMILE O. VOYER,	Budd Hospital, Two Harbors, Minn.

Of twenty-eight senior students, fifteen received hospital appointments, the greater proportion in competitive examination with graduates of other schools.

As an inducement to the taking of examinations for internships at the various hospitals, the faculty has passed the following rule (in effect 1907-08).

"Should any senior student, who has secured an appointment as interne, fail in one or two subjects at the final school examinations, he shall (by virtue of having passed the hospital examinations and of having secured the hospital appointment) be entitled to special examinations in not more than two subjects free of charge. Should he then fail he must repeat the subjects the following year. Should he pass the special examinations, he shall be allowed to graduate with the class, but his diploma and the right which it carries (of taking state-board examinations) shall be withheld until he has fulfilled his obligations by completing his term of service as interne."

## **Requirements for Admission**

Hamline University offers two courses to the matriculant in medicine. The first, four years in extent, is rewarded with the degrees M. D., C. M. The second is of longer duration, covering a period of six years, and at the completion of this second course, the university confers on the successful candidate the degrees B. S., M. D., C. M.

The six-year course is designed to meet the demand on the part of an increasing number of matriculants, for a short period of additional preparation and study before entering upon the medical studies proper. It consists of two years in the college of liberal arts, and is then completed by the regular four years

of work in the medical college. The course is highly recommend to all high school graduates who are under twenty years of age, and who feel that they are possessed of sufficient time and means to permit of the extra two years of preparation before they enter upon their professional studies.

The four-year course is still a matter of our curriculum, for the reason that experience has taught that a large percentage of high school graduates in this and neighboring states are of an age sufficiently mature to warrant immediate entrance into professional work.

For the six-year course, the entrance requirements are the same as those imposed upon all who enter the freshman class of the college of liberal arts—a four years high school diploma, or its equivalent.

Candidates for the four-year course may receive an unconditioned matriculation upon any one of three options, as follows:

- (a) A bachelors degree from an approved college or university.
- (b) A diploma from an accredited high school, normal school, or academy.
- (c) An examination in the following branches, up to thirty points of high school work, each point covering a period of study of eighteen weeks, five periods per week of at least forty-five minutes each.

*Required studies, up to eighteen points.*

	Points
Mathematics (Choice of higher arithmetic, algebra, geometry, trigonometry) .....	4
English (Choice of high school grammar, composition, rhetoric, literature) .....	4
History (Choice of United States, English, Ancient, Mediaeval, Modern, Greek, Roman).....	2
Language (Two points must be Latin).....	4
Science (Choice of physics, chemistry, botany, zoology, biology) .....	4

*Optional, up to twelve points, as follows:*

	Points
English (In addition to the four points required), for instance, six points of credentials may be accepted—four required, two optional.....	2
History (In addition to the two points required).....	6
Language (In addition to the four points required).....	5
Natural Science (In addition to the four points required)	2
Physical Science (In addition to the four points required)	2
Manual Training.....	2
Mechanical Drawing .....	1
Trigonometry (In addition to the four points mathematics required) .....	1
Astronomy .....	1
Civics .....	1
Geology .....	1
Physical Geography .....	1
Physiology and Hygiene .....	1
Political Economy .....	1

Of the total *thirty points* required in this examination, there shall be *no deviation* from the lines laid down in the required list of points; but the matriculant may be allowed to select *any twelve* from the list of optional points. Certificates from reputable instructors recognized by the state superintendent of schools, or by any state board of medical examiners

duly authorized by law, will be accepted in lieu of any part of this examination.

Candidates who are unable to show credit in all of the thirty points from high school, normal school, academy, or reputable instructor, as above designated, may enter upon the work of the first year in medicine on presenting credentials, or passing examinations, on twenty-six of the thirty points required for an unconditioned entrance. Such entrance (on twenty-six points) is conditional, that is, the student will not be allowed to enter the second year of the medical course until he has presented credentials, or passed an examination on the remaining four points of the thirty required of all matriculants.

This school is a member of the Association of American Medical Colleges, and the entrance requirements as above stated are such as will admit a candidate to any college of the association.

### **Accredited High Schools, Normal Schools and Academies.**

Accredited high schools, normal schools, and academies, whose diplomas admit candidates to the four-year course without examination, are classed as follows: they must require for admission evidence of completion of a regular eight-grade course in primary and intermediate schools; and they must also require

for graduation not less than four years of study, their curriculum covering the following studies:

	Points
Foreign Language (2 points must be Latin) .....	4
Mathematics .....	4
English .....	4
Laboratory Science .....	4
History .....	2
Additional, to be selected from language, literature, history or science .....	12

## Admission to Advanced Standing.

Students from *accredited medical schools* only will be allowed advanced standing. Each applicant must furnish to the registrar, first, *certificates of attendance* of at least *eight* months in each year for which he desires time allowance from this school; second, *a record of work* from some officer of the school which he has attended, which record will be verified by correspondence between the two schools; third, *a catalogue* of the school in which he has done the work for which he desires credit from this school; fourth, *evidence of entrance requirements* equal to those in effect at the time of matriculation of the class which he wishes to join.

On verification of this evidence, the registrar will furnish to applicants cards of admission to the second, third, or fourth year classes, for advanced standing of one, two, or three years.

The college reserves the right to require examinations on any and all subjects in its curriculum, should the record of the student be in any way not satisfactory. Students *who are conditioned* in their work in other medical colleges will *not* be admitted to advanced standing.

## Registration

At the commencement of each term students are required to enroll their names and residences in the register of the college. This register is closed on the twentieth day of October in each year. Fees are payable to the Treasurer or Registrar, and must be paid at the time of registration.

*Registration will not be granted to any student who has more than two conditions; and both conditions must be in the year preceding the one for which he registers.*

## Examinations

Final examinations are held in all subjects, either on completing the subject (half year subjects only) or at the end of the session.

Regular attendance is required of each student, and *no student will be allowed to take the final examination in any subject in which he has failed to attend 85 per cent of the work.*

Should any student fail in any branch he will be notified of such failure by the Registrar, who will furnish to each student, within six weeks of the final examinations, a record of the year's work.

Upon notification of failure by the Registrar it devolves on the student to take the examination for conditioned students, held soon after the opening of the session.

*Failure to pass the regular examination and one conditioned examination must be followed by the re-*

*peating of the lectures in the conditioned subjects on the part of the unsuccessful student. Repeating of lectures must also follow failure to attain 85 per cent of attendance.*

Conditioned examinations will be held Saturday, September 28, 1907.

## Grades

The marks issued by this college to students will be of three grades only, as follows:

“Failed” (red ink) which means that the candidate has failed to attain a record of 70 per cent, unless the subject be one printed in italics in the “Division of Subjects.” If the subject be so printed, “failed” shall be also construed as falling below the pass mark, which is, however, in subjects printed in italics, not 70, but 75 per cent. In either case, the unsuccessful student may attempt one conditioned examination, and only one; should he again fail he must repeat all lectures in the subject. There will be but one conditioned examination during 1907-08, held September 28, 1907. Special conditioned examinations are discouraged and can only be granted by special vote of the faculty. For each special examination so voted, a fee of five dollars will be exacted.

“Passed” (black ink) signifies that the candidate has attained a grade between the passing mark (70 or 75, depending on the subject) and the “cum laude” mark, which is 90 per cent.

“Passed” (green ink) means that his mark in that subject is 90 per cent or over.

## Requirements for Graduation

Candidates for the degree of Doctor of Medicine and Mastery of Surgery (M. D. C. M.) conferred by this college, must possess the following qualifications:

- (1) They must be over twenty-one years of age.
- (2) They must be of good moral character.
- (3) They must have spent four full years in the study of medicine.
- (4) They must have attended four full courses of lectures, of at least eight months each, the last of which must have been in this college, and the three former in this or some other recognized regular college of medicine.
- (5) They must have passed satisfactory examinations in the various branches of study in accordance with the curriculum of this college.
- (6) They must have attained an average of at least 75 per cent in scholarship.
- (7) They must have paid all fees in full.

## Diplomas

*Diplomas will be conferred only at commencement.* Should any fourth-year student fail to pass his regular examinations at the end of the session, he may attempt the conditioned examination at the opening of the following session; should he then remove all conditions, he will be granted a certificate to that effect, which will enable him to at once go before the state board of examiners as a graduate of this school; but his diploma will not be conferred until the following commencement.

## Fees and Expenses

Students of this college will be uniformly charged as follows:—

First year of attendance:

Matriculation .....	\$5.00
Tuition .....	80.00
Use of microscopes and breakage in the chemical laboratory .....	5.00

Total first year ..... \$90.00

Second year:

Tuition .....	\$80.00
Laboratory fee .....	5.00
Material in practical anatomy .....	7.50

Total second year ..... \$92.50

Third and Fourth years:

Tuition, per year.....	\$80.00
Graduation fee fourth year .....	15.00

NOTE.—The City and County Hospital, St. Paul, makes a charge of \$3.00 per student for attendance on clinics.

*Fees are paid invariably in advance: One-half at the opening of the session, and one-half on or before the first of February.*

*The college reserves the right to change the fees at any time through publication in its annual announcement.*

There are no fees for special courses or quizzes in this college. No instructor, dispensary physician, or professor is allowed, under any circumstances whatever, to receive a fee for instruction.

## Board and Lodging, Etc.

The expense of living in Minneapolis is less than in most other large cities. Students obtain board and room-rent for \$20.00 to \$25.00 a month, and this sum may be considered adequate for the ordinary expense of a student at this school. The expense for books varies between \$20.00 and \$30.00 a year.

Text-books and supplies can be obtained of the college janitor.

For further information address

GEO. C. BARTON, Dean,

or EDGAR M. DUNN, Secretary,

College Building, Seventh Ave. and Fifth St. S.,

Minneapolis, Minn.

## Division of Subjects.

The course of instruction in this college consists of a four years' graded series of lectures, recitations, clinics and laboratory exercises. Each session is of eight and one-half months' duration, and the subjects are arranged as follows:

### First Year

*Histology.*

*Embryology.*

*Anatomy.*

*Osteology.*

*Chemistry.*

*Physiology.*

*Pharmacology.*

**Second Year**

- Anatomy.*  
*Medical Chemistry.*  
*Physiology.*  
*Materia Medica.*  
*Pathology.*  
Apparatus and Bandaging.  
Physical Diagnosis.

**Third Year**

- Therapeutics.*  
Electro Therapeutics.  
*Surgical Anatomy.*  
*Pathology.*  
Bacteriology.  
Dermatology and Genito-Urinary Diseases.  
*Obstetrics.*  
*Gynecology.*  
*Theory of Medicine.*  
*Principles and Practice of Surgery.*  
*Physical Diagnosis and Clinical Medicine*  
Dietetics.  
Clinical Microscopy.

**Fourth Year**

- Practice of Medicine.*  
*Principles and Practice of Surgery.*  
*Physical Diagnosis and Clinical Medicine.*  
*Operative and Clinical Surgery.*  
*Obstetrics.*  
*Gynecology.*  
*Pediatrics.*  
Preventive Medicine and Medical Insurance.  
Medical Jurisprudence.  
*Neurology.*  
Psychological Medicine.  
Ophthalmology and Otology.  
Laryngology.  
*Orthopedic Surgery.*  
Proctology.  
*Diseases of the Chest.*  
*Diseases of the Blood and Ductless Glands.*

## TABULAR VIEW

First Year	Second Year	Third Year	Fourth Year
<i>Histology.</i> <i>Histology Laboratory.</i> <i>Embryology.</i> <i>Embryology Laboratory.</i> <i>General Chemistry Lab</i> <i>Anatomy.</i> <i>Osteology.</i> <i>Physiology.</i> <i>Physiology Lab.</i> <i>Pharmacology.</i> <i>Pharmacology Lab.</i>	<i>Medical Chemistry and Toxicology.</i> <i>Medical Chemistry Laboratory.</i> <i>Anatomy.</i> <i>Physiology.</i> <i>Physiology Laboratory.</i> <i>Materia Medica.</i> <i>Materia Medica Laboratory.</i> <i>Pathology.</i> <i>Pathology Laboratory.</i> <i>*Apparatus and Bandaging.</i> <i>*Physical Diagnosis.</i>	<i>*Surgical Anatomy.</i> <i>Therapeutics.</i> <i>Pathology.</i> <i>Bacteriology.</i> <i>Bacteriology Laboratory.</i> <i>Dermatology.</i> <i>Genito-Urinary and Venerable Diseases.</i> <i>Theory of Medicine.</i> <i>Physical Diagnosis.</i> <i>Obstetrics.</i> <i>Gynecology.</i> <i>Principles and Practice of Surgery.</i>	<i>Practice of Medicine.</i> <i>Principles and Practice of Surgery.</i> <i>Clinical Medicine.</i> <i>Clinical Surgery.</i> <i>Clinical Microscopy.</i> <i>*Electro Therapeutics.</i> <i>Dietetics.</i> <i>*Medical Jurisprudence.</i> <i>Neurology.</i> <i>*Psychological Medicine.</i> <i>Ophthalmology and Otology.</i> <i>Laryngology.</i> <i>*Orthopedic Surgery.</i> <i>*Proctology.</i> <i>Diseases of the Chest.</i> <i>*Diseases of the Blood and Ductless Glands.</i>

NOTE.—Final examinations in all subjects in Italics. Attendance and quizzes required in all other subjects.

\*Lectures in these courses occupy less than full session.]

**SCHEDULE 1907-08**  
**FIRST YEAR**

Hour	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Physiology. Dight.	Anatomy. Quiz.	Physiology. Dight.	Physiology. Laboratory. Dight.	Physiology. Dight.	
10-11	Anatomy. (Half Session.) Dreisbach.	Histology and Embryology. Woodworth.	Osteology. Dreisbach.	Histology and Embryology. Woodworth.	Anatomy. Dreisbach.	
11-12	Chemistry. E. Dunn.	Pharmacology. Taft.	Chemistry. E. Dunn.	Chemistry. E. Dunn.	Pharmacology. Laboratory, (Half Session). Taft.	
2-3	Chemistry. Laboratory. E. Dunn.			Histology and Embryology. Laboratory. Woodworth.	Histology and Embryology. Laboratory. Woodworth.	Chemistry. Laboratory. E. Dunn.
3-4						

**SCHEDULE 1907-08**  
**SECOND YEAR**

Hour	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Physiology. Dight.	Pathology. Watson.	Physiology. Dight.	Pathology. Watson.	Physiology. Dight.	Apparatus and Bandaging. 8 weeks each. Physical Diagnosis.
10-11	Chemistry. E. Dunn.	Anatomy. Dreisbach.	Pathology. Laboratory. L. Dunn.	Anatomy. Dreisbach.	Physiology. Laboratory. Dight.	Pathology. Laboratory. L. Dunn.
11-12	Materia Medica. Williams.	Chemistry. E. Dunn.		Materia Medica. Williams.		
1-2		Anatomy. Quiz. Disen.	Anatomy. Laboratory. Disen. 20 weeks.	Anatomy. Laboratory. Disen. 20 weeks.	Anatomy. Laboratory. Disen. 20 weeks.	Anatomy. Laboratory. Disen. 20 weeks.
2-3			Chemistry. Laboratory. E. Dunn. 24 weeks.			
3-4						
4-5			Materia Medica. Laboratory. Williams. 16 weeks.			

# SCHEDULE 1907-08

## THIRD YEAR

HAMLINE UNIVERSITY.

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Hour	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Special Pathology. (32) Watson.	Surgery. (32) Sweetser.	Surgery Clinics, St. Paul Hospitals.	Physical Diagnosis. (32) Bradley.	Surgery Clinics. Minneapolis Hospitals.	Surgery. (32) Byrnes.
10-11	Surgical Anatomy. (16) Dreisbach. Electro Therapeu- tics. (16) Stuart.	Bacteriology. (32) Corbett. Woodworth.	Dermatology and Genito Urinary Diseases. (32) Crume.		Gynecology. (32) G. Barton.	
11-12	Bacteriology (32) Corbett.		Medical Clinics. St. Paul Hospitals.	Bacteriology Laboratory. (32) Corbett. Woodworth.	Medical Clinics. Minneapolis Hospitals.	Post Mortems. Corbett.
12:30 to 2:30	Dispensary Clinics. In Sections.		Pathological Clinics. St. Paul.	1-2 Dispensary Clinics. In Sections.	1-2 Medical Clinics. Minneapolis Hospitals.	Dispensary Clinics. In Sections.
2:30 to 3:30		Dietetics. (32) Warham.		Theory of Medi- cine. (32) Peters.	Clinical Microscopy. (32) Lecture and Laboratory.	
3:30 to 4:30	Obstetrics (32) Hallowell.			Obstetrics. (32) Hallowell.	Goehrs.	
4:30 to 5:30	Therapeutics(32) Williams.	Therapeutics(32) Gordon.		Therapeutics(32) Gordon.	Surgery Quiz. (16) Johnson.	

**SCHEDULE 1907-08**  
**FOURTH YEAR**

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HAMLINE UNIVERSITY.

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Proctology. (24) Sweetser.	Surgery. (32) Byries.	Surgery Clinics. St. Paul. Hospitals.	Medicine. (32) Moore.	Surgery Clinics. Minneapolis Hospitals.	Surgery. (32) Sweetser.
10-11	Hygiene and Medical Insur- ance. (32) McCollom.	Gynecology. (32) G. Barton.	Nose and Throat. (32) Watson.			Blood and Ductless Glands. (16) Bradley. Johnson.
	Surgery Quiz. (8)	Hospital Clinic. Medicine. (32)	Medical Clinics. St. Paul. Hospitals.		Pediatrics Clinic. Minneapolis Hospitals.	Surgery Quiz. (8)
11-12	Johnson. Diseases of Chest. (16) Thomas.	Hospital Clinic. Medicine. (32)				Medical Jurisprudence. (24) E. Barton.
12:30 to 2:30	Dispensary. Clinics in Sections. (32)	Hospital Clinic. Medicine. (32)	1-2 Pathological Clinic. St. Paul.	Operative Surg- ery. (12) Disen.	1-3 Gynecology Clinics. Minneapolis Hospitals.	Dispensary Clinics in Sections. (32)
2:30 to 3:30	Pediatrics. (32) Ulrich.	Hospital Clinic. Pediatrics. (32)	2-3 Gynecological Clinics. Eye and Ear Clinic. St. Paul.	1-3 Dispensary Clinics. (20) 12:30 to 2:30	3-4 Contagious Di- sease Clinic. Minneapolis Hospitals.	Medicine. Gynecology Quiz. (32) Sivertsen.
3:30 to 4:30	Obstetrics (32). Hallowell.			3-4 Eye and Ear Clinic. St. Paul.	Obstetrics. (32) Hallowell.	Obstetrics Clinics. Sivertsen. Gordon. Crosby.
	Diseases of Chest. (16) Psychological Medicine. (16) Crafts.	Neurology. (32) Crafts.	4-5 Neurology Clinic. St. Paul.		4-5 Neurology Clinic. St. Paul.	5-6 Orthopedic Surgery. (24) Hvostef.
4:30 to 5:30					Eye and Ear. (32) Spratt.	

## SCHEDULE OF HOURS BY SUBJECTS

SUBJECT	Lectures by Years				Laboratory by Years				Clinics by Years				TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	
	80	96	16	...	200	...	...	...	...	...	...	...	...
Anatomy .....	32	...	...	...	64	...	...	...	...	...	...	...	392
Osteology .....	32	...	...	...	64	...	...	...	...	...	...	...	32
Histology .....	32	...	...	...	32	64	...	...	...	...	...	...	96
Embriology .....	96	96	...	...	32	64	...	...	...	...	...	...	96
Physiology .....	96	64	...	...	192	48	...	...	...	...	...	...	288
Chemistry and Toxicology .....	96	...	...	...	16	...	...	...	...	...	...	...	400
Pharmacology .....	32	...	...	...	16	...	...	...	...	...	...	...	48
Materia Medica .....	64	...	...	...	16	...	...	...	...	...	...	...	80
Therapeutics .....	...	96	...	...	...	...	...	...	...	...	...	...	96
Bacteriology .....	64	32	...	...	128	...	...	...	...	...	...	...	128
Pathology .....	64	32	...	...	...	...	...	...	...	...	...	...	224
Post Mortem .....	...	32	...	...	32	...	...	...	32	...	...	...	32
Clinical Microscopy .....	8	32	...	...	...	...	...	...	64	...	...	...	64
Physical Diagnosis .....	8	32	112	...	...	...	...	...	150	176	...	...	104
Medicine .....	8	80	128	...	...	...	...	...	150	174	...	...	470
Surgery .....	...	64	64	...	...	...	...	...	...	...	...	...	540
Obstetrics .....	...	32	32	...	...	...	...	...	...	...	...	...	192
Gynecology .....	...	32	32	...	...	...	...	...	...	...	...	...	164
Pediatrics .....	...	...	32	...	...	...	...	...	...	...	...	...	96
Eye and Ear .....	...	...	32	...	...	...	...	...	...	...	...	...	96
Nose and Throat .....	...	...	32	...	...	...	...	...	...	...	...	...	64
Mental and Nervous Diseases .....	...	48	...	...	...	...	...	...	...	...	...	...	64
Electro-Therapeutics .....	16	...	...	...	...	...	...	...	32	...	...	...	112
Dermatology and Genito-Urinary Diseases .....	...	32	...	...	...	...	...	...	64	...	...	...	48
Hygiene and Medical Insurance .....	...	32	...	...	...	...	...	...	...	...	...	...	96
Dietetics .....	...	32	24	...	...	...	...	...	...	...	...	...	32
Medical Jurisprudence .....	400	628	536	456	128	...	...	...	492	738	...	...	24
	400	400	628	536	368	456	128	...	492	738	...	...	4046

## COURSE AND METHODS OF INSTRUCTION

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### Anatomy and Osteology

The course in Anatomy consists of didactic lectures and practical exercises under the direction of the demonstrator. A careful study of the human body is made the chief object of the course, the didactic and other work being supplemental to that of the dissecting room. Each student will be required to dissect one entire half of the cadaver. A minimum requirement of ninety-two hours' work will be exacted for each dissection, or one hundred and eighty-four hours for each student.

The work in Anatomy covers two and a half years' instruction. Plates, diagrams, models, and frozen sections are used freely in illustration. Frequent recitations and quiz classes are made a feature of the work. Boxes containing half skeletons are provided for use of the students.

*First Year.*—Two lectures per week first half session and three lectures a week second half session. Prof. Dreisbach.

Quiz work once a week, all session. Mr. Smith.

*Second Year.*—Two lectures a week, entire session. Prof. Dreisbach.

Dissections and demonstrations in the anatomical laboratory. Dr. Disen.

Quiz work once a week, all session. Dr. Disen.

*Third Year.*—Surgical Anatomy once a week, first half session, with continual demonstration on the subject. Prof. Dreisbach.

Text Books.—Anatomy—Gray, Morris, Cunningham, Gerrish, Quain.

Practical Anatomy—Holden, Cunningham.

Surgical Anatomy—Treeves, Morris.

Collateral Reading.—Weisse's Practical Human Anatomy, Deaver's Surgical Anatomy. McClellan's Regional Anatomy, Holden's Osteology.

## Histology

Since a knowledge of the normal microscopic structure of any organ is necessary in order either to understand the functioning of the organ or to recognize structural changes of the pathologic nature, the study of histology is made prominent, and a constant effort is made to connect histological facts with their related physiological facts on the one hand, and with pathological facts on the other. The course is made as practical as possible, emphasizing the work done in the laboratory, and giving the students a general knowledge of the laboratory technique, while thoroughly familiarizing them with the microscopic details of all the tissues. All students are strongly recommended to provide themselves with microscopes, but instruments will be provided by the school for the use of those whose means will not afford purchasing.

*First Year.*—Lectures or recitations one hour a week throughout the session. Laboratory work two hours once a week. Dr. Woodworth.

Text-book.—Stohr's Manual of Histology.

Collateral Reading.—Schaefer's Essentials of Histology. Davidhoff and Huber's Text Book of Human Histology. Bohm's Histology. Ferguson's Normal Histology and Microscopic Anatomy.

## Embryology

Studies in Embryology are conducted by lectures and laboratory demonstrations so as to thoroughly acquaint the student with the steps in the development of the body from the ovum to the matured organism. To this end students are furnished sections of embryos from the first few days of development through the various stages of embryo chicks, the foeti of vertebrate animals, and of man. Care is taken by lectures and demonstrations that the student acquires a thorough knowledge of the intricate subject.

*First Year.*—Lectures and recitations one hour a week throughout the session. Laboratory work two hours once a week. Dr. Woodworth.

*Text Book.*—The Development of the Human Body—McMurrich.

*Collateral Reading.*—Minot's Laboratory Text Book of Embryology.

## Physiology

Physiology is taught by lectures, quizzes and laboratory instruction.

The lectures are replete with demonstrations, affording the students opportunity to see as well as hear. Thus diffusion of gases is shown with the diffusion chambers, osmosis with the osmometer, and oxidation in fluids is exhibited in studying the part these physical and chemical processes contribute in sustaining life. The vital processes are studied by frequent demonstrations on the lower animals, exhibiting facts in respiration, the blood and its circulation, digestion,

absorption, secretion, the muscular, and the nervous systems. The student thus studies the body practically and observes the vital phenomena.

*First Year.*—Three lectures a week throughout the year, including recitations on all work covered. Laboratory, one hour a week all session. Prof. Dight.

*Second Year.*—Three lectures a week through the year, work in the laboratory in experimental physiology and physiological chemistry, two hours each week. The whole work thus gone over is reviewed in quizzes before the final written examination is taken. Prof. Dight.

*Text-books.*—Kirk's Physiology. Foster, American Text-book of Physiology.

*Collateral Reading.*—Waller, Human Physiology. Herrmann's Lehrbuch der Physiologie. Halliburton's Text-book of Chemical Physiology. Fick, Compendium der Physiologie.

## Chemistry

The course in this department includes lectures on the principles of chemistry and its nomenclature, with complete qualitative analysis. Urinalysis, organic chemistry and toxicology are included in the advanced work of the second year.

*First Year.*—Three lectures and recitations a week, continuing through the session, laboratory work two hours three times a week. Prof. Dunn.

*Second Year.*—Two lectures a week through the session with recitations, covering successively toxicology, urinalysis and organic chemistry. Prof. Dunn. Laboratory work two hours once a week (twenty-four weeks), including clinical chemistry. Prof. Dunn.

*Text-books First Year.*—Remsen's Briefer Course.

*Collateral Reading.*—Withaus, Manual of Chemistry. Hill, Text-book of Chemistry. Bartley, Text-book of Chemistry. Rockwood, Qualitative Analysis for Medical Students.

*Text-books Second Year.*—Saxe, Examination of Urine. Reese on Toxicology.

Collateral Reading.—Purdy's Urinalysis and Urinary Diagnosis. Tyson, Practical Examination of the Urine. Riley, Toxicology. Remsen, Organic Chemistry. Witthaus, Hill, Bartley, Hollands, Jones, Long, Attfield.

## Pharmacology

This subject is taught by lectures, quizzes and laboratory work. The work in the laboratory includes the exhibition of official crude drugs and pharmaceutical preparations of the eighth decennial revision of the pharmacopœia. Practical demonstrations are given in preparing tinctures, fluid extracts, elixirs, emulsions, infusions, decoctions, pills, powders, capsules, ointments, etc.

*First Year.*—One lecture each week all session. One hour laboratory half session. Mr. Taft.

*Text-book.*—Thornton's Dose Book and Manual of Prescription Writing.

## Materia Medica

This subject is taught by lectures, recitations and written quizzes; exhibition of crude drugs and pharmaceutical preparations. Especial attention is given to the physiological action of drugs. An unusual amount of time is given to the study of this subject.

*Second Year.*—Two lectures a week through the year. Prof. Williams. Laboratory one hour, half session.

*Text-books.*—Butler's Materia Medica.

## Pathology

This subject is taught by lectures, recitations, frequent quizzes and laboratory exercises, including the making of autopsies and the exhibition and study of the morbid specimens before the class. The study in

this subject is very complete, covering the processes of disease and the general and special causes of morbid change in function and structure. An extensive museum is being rapidly collected which is invaluable in demonstration and illustration. In the laboratory the student observes the finer changes in tissue as shown under the microscope, and is instructed in preparing, staining, and mounting specimens for examination.

*Second Year*.—Two lectures a week during the session. Laboratory work two hours twice a week. Prof. Watson, Dr. Dunn.

*Third Year*.—One lecture a week through the year. Prof. Watson. Clinical pathology once a week, half session. Dr. Plondke. Post Mortem one hour a week. Dr. Corbett.

*Text-books*.—Stengel. Delafield & Prudden. Coplin-Ziegler. Thayer. Laboratory Pathology—Durkee's General and Special Pathology.

## Bacteriology

The great advance in the importance of this subject requires a greater proportional amount of time in undergraduate study, and it is accordingly given suitable emphasis. The lectures treat of the subject in general and also of the detail of laboratory technique. The laboratory is equipped with the best apparatus for the practical study of the subject.

This year each student was required to work as follows:

To prepare, sterilize, and keep on hand six different kinds of culture media. To make cultures of all of the pus bacteria, and record observations of same. To study, on cover glasses, various organisms in pus.

To demonstrate different varieties of pus cells. To make cultures of colon bacilli. To make cultures of typhoid and differentiate same from colon bacilli. To make Widal reactions. To make mounts from six different specimens of diphtheria. To stain, in several ways, gonococci. To mount and stain specimens of tubercle bacilli. To make plates of mouth bacteria, and prepare cultures from each colony, and study same. To make one analysis of water.

*Third Year*.—One lecture a week. Prof. Corbett. Three hours a week in the laboratory. Prof. Corbett, Dr. Woodworth.

*Text-books*.—William's Manual of Bacteriology, Abbott's Principles of Bacteriology, McFarland's Text-book of Pathogenic Bacteria.

## Therapeutics

The work in this subject following the two years' continuous study of pharmacology and *materia medica*, is arranged in close sequence, and gives the student a most complete and comprehensive grasp of the use of purely medicinal treatment. The quiz method is largely used in this branch, together with lectures and demonstrations clinically under this and other chairs.

*Third Year*.—One lecture a week all year. Prof. Williams. Two hours a week through the year. Dr. Gordon.

*Text-books*.—Hare's Practical Therapeutics. White's *Materia Medica and Therapeutics*.

*Collateral Reading*.—Butler, Bartholomew, Shoemaker.

## Dietetics

This course includes a full study of food. Starting with food and food preparations, and including stimulants, beverages, condiments, cooking, food pre-

paration and preservation, the quantity of food required, foods required for special conditions, food digestion, relation of food to special diseases, diseases which are caused by dietetic errors, administration of food for the sick in all diseases of the organs of the body, diet for surgical patients, and ending with a knowledge of how to prepare food for the sick. The ground is thoroughly covered.

*Third Year.*—One lecture a week through session. Dr. Warham.

*Text-books.*—Thompson Practical Dietetics. Hutchinson, Food and Dietetics, Friedenwald Rurah, Diet in Health and Disease.

## **Electro-Therapeutics and Roentgen Ray Work**

Under the stress of the rapidly accumulating knowledge of electricity and other forms of radiant energy, and of their efficient and wide range of usefulness as remedial agents, it is justly required of the student seeking admission into the ranks of the medical profession that he have a practical acquaintance with these agencies, with the modes of their production and the apparatus required for their generation, for their central and clinical use.

Instruction in this department will cover the elementary principles of these subjects to a degree that will enable the student, through assiduous application and further study, to gain a good working knowledge of them, and to begin their use, in an intelligent manner, in diseased conditions.

Instruction in the construction of apparatus, and its clinical use, will be given as opportunity is afforded.

*Third Year.*—One lecture a week, half session. One clinic a week, all session. Prof. Stuart.

## Theory and Practice of Medicine

This course includes a full and exhaustive study of the various systemic diseases and the minute consideration of each; the pathological basis being given especial consideration. This course extends through two years, with final examination on the theory of medicine at the end of the third year and practice at the end of the fourth year.

*Third Year.*—One lecture a week through the session. Dr. Peters.

*Fourth Year.*—One lecture a week through the session, with recitations each week on all ground covered. Prof. Moore.

*Fourth Year.*—Diseases of the Blood and Ductless Glands. One lecture a week first half session. Prof. Bradley.

Quiz every week. Dr. Sivertsen.

*Text-books.*—Rogers' Introduction to the Study of Medicine. Tyson's Practice of Medicine. Ander's Practice of Medicine. French's Practice of Medicine. Osler's Practice of Medicine. Thompson's Practice of Medicine. Hare's Practice of Medicine. Butler's Medical Diagnosis. Musser's Medical Diagnosis.

*Collateral Reading.*—Strumpell's Text-book of Medicine.

## Physical Diagnosis and Clinical Medicine

The work in this department is commensurate with its importance, and is thoroughly systematized. It consists of didactic lectures on all methods and means of procedure in diagnosis, and also the consideration

of disease from the standpoint of the clinician. Ample general clinics are conducted, and much work is done in small sections, drilling the students in the observation and recognition of both normal and abnormal physical signs.

*Second Year*.—Quarter session, one hour a week. Physical examination of normal chest, and practice in the technique of physical diagnosis. Prof. Bradley, Prof. Poehler, Dr. Guilford.

*Third Year*.—Lecture once a week through the session. Prof. Bradley. General clinics twice a week in the hospital amphitheaters of the Twin Cities. Prof. Meade; Prof. Bradley.

*Fourth Year*.—General clinics twice a week. Section clinics daily. A great part of the work being in small sections, with the personal attention of the instructors. Profs. Meade, Bradley, Poehler and Williams, and Drs. Nippert and Guilford.

*Text-books*.—Cabot Physical Diagnosis. Jakob Atlas of Internal Medicine. Butler Medical Diagnosis. Vierordt's Medical Diagnosis. Musser's Medical Diagnosis. Gibson and Russell, Physical Diagnosis, LaFevre's Physical Diagnosis. Hare's Practical Diagnosis. Sahli's Diagnostic Methods.

*Collateral Reading*.—Osler's Practice of Medicine. Twentieth Century Practice of Medicine.

## Dermatology

This subject covers the didactic and clinical consideration of diseases of the skin, and is fully illustrated by colored plates and drawings.

*Third Year*.—One lecture and two clinics a week during first half of session. Prof. Crume. Dr. Owre.

*Text-books*.—Jackson, Walker, Morris, Schamberg's Compend.

*Collateral Reading*.—Crocker. Hyde. Van Harlingen. American Text-Book. Stelwagon.

## Genito-Urinary Diseases

Lectures on the diseases of the sexual and urinary apparatus, together with ample clinical study at the hospitals and dispensaries.

*Third Year.*—Two lectures and clinics a week during the second half of the session. Prof. Crume. Dr. Owre.

*Text-books.*—Morton. Keyes. White and Martin. American Text-Book.

## Nervous and Mental Diseases

The course in neurology includes didactic lectures on the anatomy and physiology of the nervous system, with demonstrations by fresh and hardened specimens; models, plates and diagrams; concise consideration of a carefully selected group of diseased conditions, and clinical study and demonstration with special attention to treatment, including electro-therapeutics.

In mental diseases the course is confined to detailed study of the various forms of mental diseases and aberration.

*Neurology—Fourth Year.*—One lecture and one clinic a week for the entire session. Prof. Crafts.

*Text-books.*—Mettler's Nervous Diseases. Pott's Nervous and Mental Diseases. Jakob. Oppenheim's Diseases of the Nervous System. Church and Peterson's Nervous and Mental Diseases. Dercum's Nervous Diseases by American Authors. Mills' The Nervous System and its Diseases. Gower's Diseases of the Nervous System. Bramwell's Diseases of the Spinal Cord.

*Collateral Reading.*—Dana's Text-book of Nervous Diseases. Strumpell's Text-book of Medicine. Sach's Nervous Diseases of Children. Harter's Manual of Diagnosis of Nervous Diseases. Gardinier's Anatomy of the Nervous System.

Mental Diseases. *Fourth Year*.—One lecture a week during last half of session. Prof. Crafts.

*Text-books*.—Berkeley. Clouston. Spitska. Chapin. Shad-dock.

Collateral Reading.—J. Bevan Lewis. Hyslop, Mental Physiology. Kraepelin, Psychiatrie. Tuke's Dictionary of Psychiatric Medicine. Brower and Bannister, Practical Manual of Insanity. Church and Peterson.

## Proctology

The course in this subject consists of didactic lectures and clinical instruction and demonstration.

*Fourth Year*.—One lecture a week twenty-four weeks. Prof. Sweetser.

*Text-books*.—Tuttle. Gant. Matthews.

Collateral Reading.—Allingham. Cripps. Ball.

## Surgery

This branch is covered most thoroughly, including didactic lectures on the practice of surgery with especial attention to diagnosis and treatment. Under the principles of surgery minute attention is given to surgical pathology, the course covering two years in continuous sequence. A separate course in operative surgery is given, showing operative technique and demonstrating the various operations on the cadaver. This course also includes instruction in apparatus and bandaging. The hospitals in Minneapolis and St. Paul furnish a wealth of material for clinical purposes in this branch.

*Third Year*.—Practice of Surgery, one lecture a week. Prof. Sweetser. Principles of Surgery, one lecture a week. Prof. Byrnes. Quiz every two weeks. Dr. Johnson.

*Fourth Year.*—Principles of Surgery, one lecture a week. Prof. Byrnes. Practice of Surgery, one lecture a week. Prof. Sweetser. Quiz every two weeks. Dr. Johnson.

*Fourth Year.*—Course in Operative Surgery on the cadaver. Dr. Disen.

*Fourth Year.*—Course in Orthopedic Surgery, one lecture a week, twenty-four weeks. Prof. Hvoslef.

Principles and Practice of Surgery.

*Text-books*—Rose and Carless. American Text-book of Surgery. Roswell Park's Surgery. Da Costa's Surgery.

Collateral Reading.—Berg's Surgical Diagnosis. Stinson on Fractures and Dislocations.

Operative Surgery.

*Text-book.*—Bickhem's Operative Surgery.

Collateral Reading.—International Text-book of Surgery. Bryant's Operative Surgery. Binnie's Operative Surgery.

## Clinical Surgery

*Third and Fourth Years.*—A two-hour clinic is given each week at some one of the hospitals in Minneapolis and one in St. Paul of the same length. Prof. Sweetser, Prof. Byrnes, Prof. Shimonek, Prof. Schwyzer, Prof. Hvoslef.

*Second Year.*—Instruction in apparatus and bandaging, one lecture a week, eight weeks. Dr. Johnson.

## Gynecology

Gynecology is taught by didactic lectures and recitations; by clinical instruction, and by demonstration on the cadaver. The course in clinical gynecology comprises the general clinics given at the various hospitals, and instructions given to the fourth year class (in sections) on examinations, diagnosis, and treatment.

*Third Year.*—Lectures once a week during session. Prof. Barton.

*Fourth Year.*—Lectures once a week all session. Prof. Barton. Clinics two hours twice a week. Profs. Barton and Renz. Quiz every other week. Dr. Sivertsen.

*Text-books.*—Montgomery's Practical Gynecology. Dudley's Text-book of Gynecology. Hirst's Text-book of Diseases of Women.

## Obstetrics

This chair combines didactic teaching with searching oral and written quizzes, and demonstrations on the manikin and charts.

*Third and Fourth Years.*—Two lectures a week during the full session. Prof. Hallowell. Clinical observation and personal conduct of cases under the direction of Prof. Hallowell and Drs. Stevens, Gordon, Sivertsen and Crosby.

*Text-books.*—Edgar. Williams. Hirst. Jewett. Garrigues. Peterson. King's Manual American Text-book of Obstetrics.

## Ophthalmology and Otology

In this department instruction combines didactic teaching with thorough quizzes and ample clinical opportunities at the dispensary and hospitals for the study of the medical and surgical treatment of these organs.

*Fourth Year.*—Lectures one a week. Prof. Spratt. Clinic, one hour in sections, twice a week. Prof. Simpson. Clinic, two hours once a week. Profs. Boeckmann and Nelson.

### Ophthalmology

*Text-books.*—Fricke, Noyes.

Collateral Reading.—Schweinitz. Fuchs. Loring on the Ophthalmoscope. Landolt on Refraction and Accommodation.

### Otology

*Text-books.*—Field. Politzer. Hovell.

Collateral Reading.—Buck's Manual of Diseases of the Ear. Bosworth.

## Pediatrics

Didactic lectures form a large part of this course, with special attention to infant feeding and the observation and care of the child. The clinical opportunities are also ample.

*Fourth Year.*—One lecture a week throughout the year. Dr. Ulrich. Clinics twice a week.

*Text-books.*—Holt. Rurah. Taylor and Wells.

*Collateral Reading.*—Rotch's Paediatrics. American Text-book of Diseases of Children. Koplik's Diseases of Children.

## Diseases of the Nose and Throat

Instruction in this subject consists of lectures and demonstrations in the clinic, including practical training in the use of instruments, the class being divided into small sections as in other special clinics.

*Fourth Year.*—Didactic lectures once a week throughout the session. Prof. Watson. Clinics each week. Prof. Watson.

*Text-books.*—Knight. Bishop. Coakley. Gradle. Price-Brown.

## Diseases of the Chest

This course consists of didactic lectures confined exclusively to the thoracic contents dealing theoretically with the signs of health and disease; and the treatment of the diseases of the heart and lungs.

*Fourth Year.*—One lecture a week throughout the session. Profs. Poehler and Thomas.

*Text-books.*—Tyson's Practice of Medicine. Osler's Practice of Medicine.

*Collateral Reading.*—Nothnagel's Encyclopedia of Practical Medicine. Allbutt's System of Medicine.

## Hygiene and Medical Insurance

These combined subjects are grouped in a complete and sequent course, falling together naturally. The session is divided between them, the one merging into the other. The student is taught the various accepted means of prevention as commonly enforced by health officials as well as the general concerns of prophylaxis, and finally the essentials of correct insurance examinations.

*Fourth Year.*—One lecture a week. Prof. McCollom.

*Text-books.*—Harrington's Practical Hygiene. Abbott's Hygiene of Transmissible Diseases. Egbert's Hygiene of Sanitation.

*Collateral Reading.*—Rohe's Text-book of Hygiene. Bergey's Principles of Hygiene. Thompson's Practical Dietetics.

## Medical Jurisprudence

This subject comprises lectures upon malpractice, poisoning, insanity, duties of coroners, and other matters of a medico-legal nature. The lectures are given by a practical lawyer with a view of aiding the physician to apply, when called in courts, his knowledge of the different branches of medicine to the purpose of the law.

*Fourth Year.*—One lecture a week twenty-four weeks. Prof. E. Barton.

*Text-books.*—Reese. Taylor.

## Clinical Microscopy and Diagnosis

The course consists of didactic lectures and laboratory work, with occasional quizzes. In the lectures, the aim will be to thoroughly cover the present views regarding the various body secretions and excretions,

their normal functions and pathologic significance. In the laboratory the student will be drilled in the identification of substances found normally or abnormally, special importance being laid upon diagnosis by clinical methods. In the dispensary laboratory, the student will be expected to apply the information obtained from the didactic and laboratory courses as aids in differentiating the different disease encountered. The following subjects will be considered:

1. The urine. A brief review of the important chemic findings, the significance and differentiation of organized and unorganized sediments.
2. The blood. Enumeration of the red and white cells, the differential leucocyte count, hemoglobin estimations, the study of stained preparations of normal and pathologic blood, the study of the malarial parasite, and the differential diagnosis of the various forms of anemia.
3. The gastric contents. Tests for the different constituents of the gastric juice and quantitative estimations of free and combined hydrochloric acid. The defferential diagnosis between carcinoma, ulcer, hyperchlorhydria, and hyperacidity.
4. Vaginal discharges.
5. Transudates and exudates.
6. Sputum.
7. The feces, and the animal parasites.

*Third Year*.—One lecture once a week during the entire session. Laboratory one hour a week all the session. Dr. Goehrs.

*Text-book*.—Clinical Diagnosis, Boston.

Supplementary Reading.—Clinical Diagnosis, Simon. Atlas of Internal Medicine and Clinical diagnosis, Jakob. Haematology, DaCosta. Clinical Pathology of the Blood, Ewing. Diagnosis, Musser. Diagnostics of Internal Medicine, Butler.

**STUDENTS****1906-07****FOURTH YEAR**

AUNE, MARTIN,	Minnesota
BAKER, HARRY R.,	Minnesota
BARRINGER, PAUL E.,	Minnesota
CROSBY, ERLE B.,	Minnesota
ERICKSON, H. C.,	Wisconsin
GUNDERSON, RUDOLPH M.,	Minnesota
HAUGE, MALVIN M.,	Minnesota
JENSEN, THORVALD J.,	Minnesota
JOISTAD, ARTHUR H.,	Minnesota
LAWIS, CARL H.,	Minnesota
LEEDAHL, O. S.,	North Dakota
MORK, BYRON O.,	Minnesota
MURRAY, JAMES,	Minnesota
NORMAN, FRANK,	Minnesota
O'DONNELL, J. E.,	Minnesota
PHILLIPS, ALBERT E.,	South Dakota
REXFORD, LUTHER A.,	Minnesota
TAFT, JOHN O.,	Minnesota
TRAINOR, M. E.	Wisconsin
WILLIAMS, WALTER J..	Minnesota

**THIRD YEAR**

BEARDSLEY, GRANT S.,	North Dakota
'CLAY, ALBERT J.,	Minnesota
COWGILL, CHARLES H.,	Minnesota
DEZELL, EARL,	Washington
EICHLER, WILLIAM C.,	Minnesota
EVARTS, ARRAH B.,	Minnesota
GIBBS, W. H. G.,	Canada
GIRVIN, RICHARD,	Minnesota
HALL, H. H.,	Minnesota

## HAMLINE UNIVERSITY.

HERON, ROY C.,	Minnesota
HURSH, M. M.,	Minnesota
JACQUOT, G. L.,	Wisconsin
JOHNSON, EINER W.,	Minnesota
KELLS, OAKFORD A.,	Minnesota
KENNEDY, EDWARD F.,	Minnesota
KERRICK, STANLEY E.,	Pennsylvania
KINGSLEY, R. J.,	Montana
LEE, JOHN W.,	Minnesota
MASONI, EDWARD,	Minnesota
MILLER, TROY S.,	Minnesota
MOATS, VIRGIL H.,	Ohio
NELSON, WALTER P.,	Minnesota
OLSON, REINHART G.,	Minnesota
OSTRANDER, ARLEY J.,	Minnesota
PATTERSON, CHARLES H.,	Minnesota
PAULSON, THEODORE S.,	Minnesota
SCHMIDT, GEORGE F.,	Minnesota
SCHONS, EDWARD,	Minnesota
SMITH, RAY E.,	Minnesota
SODERQUIST, ARTHUR R.,	Minnesota
WRIGHT, S. G.,	Minnesota

## SECOND YEAR

BEARDSLEY, WAYNE R.,	Michigan
BRADY, PHILIP J.,	Minnesota
BRADY, RICHARD J.,	Minnesota
CLAY, FRANK,	Minnesota
CRANMER, RICHARD R.,	Minnesota
DICKEY, ROBERT R.,	Minnesota
EGGEN, OLAF K.,	North Dakota
FROYLAND, T. J.,	Minnesota
GELZ, JOHN J.,	Minnesota
GHOSTLEY, FRED J.,	Minnesota
GHOSTLEY, MARY C.,	Minnesota
GILKEY, SETH E.,	Minnesota
GOODISON, W. L. T.,	North Dakota
HAVERSTOCK, ARTHUR D.,	Minnesota
HOLCOMB, JOEL T.,	Minnesota
HOLLANDS, WILLIAM H.,	Canada

INGERSON, CARL A.,	Minnesota
KAUFHOLD, GEORGE F.,	Pennsylvania
LEIBOLD, HERBERT H.,	Minnesota
LOMMEN, CLARENCE J.,	Minnesota
MCCARTY, E. O.,	Minnesota
MACDONALD, DANIEL A.,	Minnesota
RATH, GEORGE C.,	Minnesota
ROSENWALD, JOHN P.,	Minnesota
SCHATZ, FRANCIS J.,	Minnesota
SCHNACKE, ROY A.,	Minnesota
SEWELL, GEORGE M.,	Minnesota
SIMON, GEORGE H.,	Minnesota
SKEMP, FRANK S.,	Minnesota
THORNBY, HALLWARD J.,	Minnesota
TRENKLE, HENRY L.,	New York
VADHEIM, ALFRED L.,	South Dakota
VAN DEBOGET, LEWIS,	Minnesota
WESTERMAN, FRED C.,	Minnesota
WOODARD, JOS. N.,	Minnesota

**FIRST YEAR**

BORGLUND, CHARLES,	Minnesota
DADY, ELMER E.,	Minnesota
FOSS, CARL E.,	North Dakota
FLOEW, A. T.,	Minnesota
GARLOCK, ARTHUR V.,	Minnesota
GRAY, AGNES D.,	Minnesota
JOHNSON, GEORGE L.,	Minnesota
KELLY, PAUL H.,	Minnesota
KRAMER, EDWARD R.,	Minnesota
LOVE, GEORGE R.,	Minnesota
LYNCH, ELIZABETH A.,	Minnesota
MARTIN, SETH H.,	Vermont
NELSON, AXEL S.,	Minnesota
PERKINS, J. R.,	Minnesota
PETIT, LEON J.,	Minnesota
PLAG, A. H.,	Minnesota
REFSDAHL, O. I.,	North Dakota
RUSSELL, FRED G.,	Minnesota
SANAKER, OTTO H.,	Minnesota
SHELVER, HENRY J.,	North Dakota
STUCKE, EDMUND C.,	Minnesota
WEIBLE, EARL B.,	North Dakota
WILLIAMS, HARRY G.,	Washington

## DEGREES

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On Monday, Class night, June 5th, 1906, degrees were conferred as follows:

M. D., C. M., *Cum Laude.*

ALBERT BRASSETT,  
CARL R. BUTTURFF,  
JULIUS JOHNSON,  
ELIZABETH S. MONAHAN,  
T. J. MOYNIHAN,  
GEO. F. SWINNERTON.

M. D., C. M.

LIEF ALMKLOV,  
FRANK X. BOUCHER,  
ARTHUR J. DOHM,  
WILLIAM C. EHMKE,  
HERMAN W. FROEHLICH,  
J. H. GRAHAM,  
FRED C. GROVER,  
H. H. HANSON,  
JOSEPH A. HEDDING,  
A. E. JOHNSON,  
JOHN T. LITCHFIELD,

NEIL B. McLEAN,  
M. A. MELLENTHIN,  
ROBERT H. MONAHAN,  
BURT F. OSBURN,  
FLORENCE M. RIDGWAY,  
EDWARD W. SENN,  
CARL J. SHELLMAN,  
ERNEST G. STERNER,  
C. C. THAUWALD,  
P. O. TROOJEN,  
EMILE O. VOYER.

## ALUMNI

ABRAMOVICH, JOS. H., '05,	Ten Strike.
ALLEN, JOS., D. V. S., '01,	White Rock, S. Dak.
ALMKLOV, LEIF, '06,	Cooperstown, N. Dak.
ATHERTON, C. O., '91,	
BAIER, FLORENCE C., '97,	Minneapolis
BAKKE, O. H., '96,	Minneapolis
BARTON, EDGAR R., '01,	Frazee
BENN, FERDINAND G., '03,	Kulm, N. Dak.
BERGQUIST, KARL E., '97,	Cokato
BEVAN, CHARLES J., '97,	Villard
BIORN, NELS A., '01,	Ada
BJORNEBY, PETER C., '97,	Bagley
BLAKESLEE, FRANK, '97,	Bemidji
BLISS, GEO. W., '95,	Valley Springs, S. Dak.
BLOMBURGH, AXEL F., '97,	St. Hilaire
BLOOM, WILLIAM D., '01,	Minneapolis
BOHLAND, E. H., '03,	Hanover
BONG, JOHN H., '97,	Jasper
BOUCHER, FRANK X., '06,	Minneapolis
BRASSET, ALBERT, '06,	St. Paul
BROWN, EDWARD I., '00,	St. Paul
BRUSTAD, AXEL, '02,	Deceased
BURLINGAME, R. M., '99;	Watertown, S. Dak.
BURNES, CATHERINE A., '96,	Hopkins
BURTON, PAUL H., '01,	Fargo, N. Dak.
BUTTURFF, CARL R., '06,	Minneapolis
CALDWELL, D. K., Ph. B., '03,	Milaca
CARLSON, SWAN A., '01,	Deceased
CARPENTER, GRANT S., '01,	Porter
CARTER, JOS. A., B. A., '98,	Knox, N. Dak.
CHANCE, JENNER P., '00,	Royalton
CHEDECK, BENJ. H., '03,	*
CHRISTENSEN, WALTER, '04,	Omaha, Neb.
	Lidgerwood, N. Dak.

CHURCH, RICHARD, J., '95,	Conway, N. Dak.
CLARK, EDWARD J., '98,	Minneapolis
CLAY, EDWARD M., '93,	Renville
CLEMENTS, STANLEY, '04,	
COFFIN, GEO. H., '04,	Towner, N. Dak.
CONYNGHAM, E. F., '86,	Phillipsburg, Mont.
COOPER, DENTON J., '03,	Dent
COX, ROBERT M., '05,	Edmore, N. Dak.
CRAMOND, JAMES E., '03,	Mohall, N. Dak.
CRESWELL, WILLIS W., '97,	Delhi
DAILY, MILTON, '95,	Sioux City, Iowa
DAVID, OSCAR F., '95,	Bozeman, Mont.
DAVIDSON, P. C., '04,	Clara City
DEALEY, JULIA, '97,	
DEAN, HARRIS, '03,	
DEERTZ, J. J., '02,	Northville, S. Dak.
DEVEREUX, THOMAS, '01,	Deceased
DINAHAN, RICHARD M., '97,	
DOBSON, WM. C., '96,	Harrisville, Ohio
DOHM, ARTHUR J., '06,	St. Paul
DONAHUE, D. J., '99,	Glendive, Mont.
DORAN, CHAS. W., B. A., '01,	Saskatoon, Canada
DORAN, GEO. M., '03,	St. Paul
DORAN, JOHN E., '98,	Minneapolis
DOUGLAS, ELMER E., '94,	Hartford, Conn.
DUMAS, CALIXTE H., '96,	Minneapolis
DYRNES, JOHN O., '97,	
EGAN, MICHAEL, '91,	Sioux Falls, S. Dak.
EHMKE, WILLIAM C., '06,	Willow River.
EKREM, JOHN M., '03,	Minot, N. Dak.
ELTUN, THROND J., '04,	Lansford, N. Dak.
ESSEN, CARL A. C., '95,	Deceased
FARNESS, C. W., '88,	
FARR, JOHN M., '97,	Eau Claire, Wis.
FLATEN, AMOS, '90,	Grafton, N. Dak.
FLEMING, ALOYSIUS S., '97,	Wheaton
FLYNN, WILLIAM T., '05,	Minneapolis
FONGER, JAMES H., '00,	Gary, S. Dak.
FOX, JOHN M., '01,	Osseo
FOWLER, FRED H., '97,	

FRIBERG, CARL P., '03,	Kismayou, East Africa
FROEHLICH, HERMAN W., '06,	Pine City
GENDRON, JULES, '96,	Grand Rapids
GILL, JOHN R., '00,	San Francisco, Calif.
GLIM, NELS N., '98,	Deceased.
GOLBERG, MARTIN L., '01,	Madelia.
GORDON DAVID, '97,	Albert Lea
GOSSLEE, GILBERT L., '03,	Sanborn
GRAHAM, J. H., '06,	Grafton, N. Dak.
GRONVOLD, FRED O., '01,	Adams, N. Dak.
GROVER, FRED C., '06,	Clearwater
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HAGEN, GILBERT L., '04,	Minneapolis
HALVORSON, K. K., '99,	
HANSON, H. H., A. B., '06,	Clarkfield
HARSHBARGER, M. M., '02,	St. Anthony, Idaho
HEFFLIN, H. NELSON, '95,	Kewaunee, Ill.
HEDDING, JOS. A., '06,	St. Paul
HEIMARK, JACOB H., '03,	Gary
HELGREN, SIGRID, '94,	
HELK, HENRY H., '02,	Templeton, Calif.
HETLAND, C. L., '93,	Minneapolis
HIRSCHFIELD, MAX P., '02,	Deceased
HOLEN, TH., '02,	Duluth
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HOVORKA, WENCESLAUS, '97,	Glencoe
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JOHNSON, AUGUST E., '03,	Minneapolis
JOHNSON, JULIUS, '06,	Minneapolis
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	Groton, S. Dak.

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KERMOTT, LOUIS H., '04,	Enderlin, N. Dak.
KILBRIDE, THOS. F., '99,	Minot, N. Dak.
KING, NELSON M., D. M. D., '02,	Deceased
KIRKHOFF, EDWARD H., '99,	Pierz
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KNOTZ, JOHN, '97,	Cologne
KOPPLEBERGER, HARRY W., '97,	Deceased
KRIEDT, DANIEL J., '00,	Minneapolis
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KRON, LAURITZ O., '01,	Valva, N. Dak.
LARSEN, CARL L., '04,	Buffalo
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LEWIS, ARTHUR J., '95,	Mora
LIMA, LUDWIG, '03,	Montevideo
LIND, CARL J., '97,	Minneapolis
LINDBERG, CHARLES, '05,	Fairdale, N. Dak.
LINDE, HERMAN, '05,	Cyrus
LITCHFIELD, JOHN T., '06,	Minneapolis
LOBERG, ADOLPH, '99,	Minneapolis
LOCKWOOD, L. S., '94,	Minneapolis
LORD, BERTRAM E., '03,	Glenburn, N. Dak.
LOWTHIAN, GEO. H., '94,	Hewitt
LUTHER, CLARA M., '01,	Minneapolis
LYONS, ADAM, '98,	Herman
McCANN, GEO. E., '02,	
McCAHN, HANNAH, '90,	Wheatland, N. Dak.
MC CULLAGH, GEORGE, '03,	Minneapolis
McDOUGALD, D. W., '02,	Larimore, N. Dak.
McGURREN, CHARLES J., '04,	Montgomery
McKEON, JAMES, '90,	St. Paul
McKEON, OWEN, '00,	
McKEON, PHILLIP, '95,	New Richmond, Wis.
McLEAN, NEIL B., '06,	St. Paul

MALCHOW, CHARLES W., '94,	Minneapolis
MASON, CHARLES H., '99,	Superior, Wis.
MELECH, H. N., '03,	Minneapolis
MELBY, OSCAR F., '01,	Argyle
MELLENTHIN, MICHAEL A., '06,	Minneapolis
MERTENS, JOHN J., '03,	Lebanon, S. Dak.
MILES, ROBERT S., '03,	Excelsior
MILLER, FRED C., '99,	Olivia
MILLER, HUGH, '05,	Turtle Lake, N. Dak.
MILLER, ROCK P., '98,	Washington, D. C.
MILLER, VICTOR J., '00	Westbrook
MINGO, FRANCIS E., '05,	South Haven
MINTENER, JOHN W., '00	Minneapolis
MITCHELL, RALPH S., '03,	Grand Meadow
MOORE, FRANCIS A., '93,	Lesterville, S. Dak.
MOORE, GEO. B., '01,	Deceased
MONAHAN, ELIZABETH S., '06,	Blackduck
MONAHAN, JOHN A., '02,	Minneapolis
MONAHAN, ROBERT H., '06,	Blackduck
MONAHAN, T. H., '86,	West Jordan, Utah
MOULTON, RACHEL, '02,	Minneapolis
MOYNIHAN, ANDREW F., '03,	Sauk Center
MOYNIHAN, T. J., '06,	St. Paul
MULLER, HUGO, '96,	Britton, S. Dak.
MURPHY, GUY D., '01,	New Rockford, N. Dak.
MURPHY, WILLIAM B., '97,	Minneapolis
MURRAY, WILLIAM B., '90,	Minneapolis
MUUS, PETER H., '01,	Kensington
NELSON, EDWARD H., '03,	Chisholm
NICHOLSON, EDWARD J., '02,	Lawton, N. Dak.
OBERG, CARL M., '99,	Minneapolis
OBERG, EMANUEL, '00,	Minneapolis
OBERG, OSCAR, '98,	Sioux Rapids, Iowa
O'BRIEN, H. JEFFERSON, '95,	Superior, Wis.
O'CONNOR, JERRY P., '00,	Delano
OFSTAD, ARNT E., '04	Minneapolis
OFTEDAL, ARNE, '01,	Bisbee, N. Dak.
OFTEL, H. A., '02,	Oslo
OHNSTAD, JENS, '03,	Mackintosh

OLSON, JENNIE D., '90,	
OREDSON, O. A., '03,	Duluth
OSBURN, BURT F., '06,	Blackduck
OWRE, ALFRED, '95,	Minneapolis
OWRE, OSCAR, '03,	Minneapolis
PECK, ARTHUR E., '03,	Minneapolis
PECK, LEWELLYN, D., '02,	Hastings
PETERSON, ALFRED C., '04,	Dassel
PETERSON, GEO. E., '05,	Streeter, N. Dak.
PLEHN, JOHN F., '03,	Bellingham, S. Dak.
POEHLER, FRED C., '03,	Deceased
POIRIER, ALEX. J., '03,	Forest Lake
POST, JAMES O., '05,	Minneapolis
POWERS, FLETCHER W., '02,	Barrett
PRYCE, ROLAND, '85,	
QUITMEYER, OTTO C., '02,	Parkers Prairie
RAINVILLE, SAMUEL, '97,	Kenmare, N. Dak
RALEIGH, ROSWELL B., '94,	Sioux City, Iowa
RANDALL, AUVIGNE, '03,	Underwood
REEVE, EDWARD A. T., '97,	Elbow Lake
REINHARDT, WALLACE A., '96,	
REMICK, LOUIS B., '95,	Triumph.
RIDGWAY, ALEXANDER, '94,	Belgrade
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ROBERTS, FLOYD J., '99,	Cando, N. Dak.
ROGERS, GEO. M. F., '99,	Minneapolis
ROSENTHAL, SIGMUND, '96,	Java, S. Dak.
RYAN, JENNIE, '93,	Minneapolis
RYAN, MARGARET, '02,	
SASSE, ERNEST G., '99,	Lidgerwood, N. Dak.
SCANLON, DANIEL L., '99,	Volga, S. Dak.
SCANLON, WILLIAM, '96,	Page, N. Dak.
SCHEFCIK, J. FRANCIS, '00,	Minneapolis
SCHELDE, EDWIN M., '04,	Deceased
SCHLEGEL, HENRY E., '97,	Spokane, Wash.
SCHULEAN, NELLIE, '93,	Minneapolis
SCHUSSLER, OTTO F., '05,	Twin Brook, S. Dak.
SCOTT, ERNEST H., '88,	Deceased
SENN, EDWARD, W., '06,	Minneapolis

SHELLAND, JOHN T., '00,	Ada
SHELLMAN, CARL J., '06,	Pitsanuloke, Siam.
SHERMAN, HUBERT T., '04,	Big Lake
SHERPING, ERIC, PH. B., '00,	Wyndmere, N. Dak.
SIMPSON, J. K., '84,	Juneau, Alaska
SIVERTSEN, IVAR, '04,	Minneapolis
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SPEAR, EDGAR D., '01,	Nome, N. Dak.
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STEVENSON, GEO. A., '04,	Minneapolis
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SWENSON, CHARLES, '03,	Caledonia
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THAUWALD, CHARLES C., '06,	St. Paul
THEISSEN, WILLIAM N., '01,	Henderson
THOM, JAMES, '03,	Portland, Ore.
THOMPSON, ALBERT S., '02,	Mount Horeb, Wis.
THORKELSON, THORVALD, '02,	Minneapolis.
TINGDALE, AUGUST C., '02,	Minneapolis
TORLAND, ASEJORN, '03,	Underwood, N. Dak.
TREAT, VEEDER G., '94,	Clotho.
TROOIJEN, PETER O., '06,	Toronto, S. Dak.
TUKE, HARRY C., '96,	Minneapolis
VAN DAMME, WILLIAM, '85,	Minneapolis
VAN KIRK, FRANK J., '00,	Bellingham, Wash.
VELINE, OLAF J., '97,	Minneapolis
VOYER, EMILE O., '06,	Minneapolis
WARHAM, THOMAS T., '97,	Minneapolis
WARNE, EDWARD G., D. D. S., '97,	St. Paul
WATSON, CHARLES W., '97,	Boyd
WATSON, FRED G., '03,	Clarkfield

WENDT, SAMUEL M., '97.	Castle Rock, Wash.
WENGER, F W., '04,	St. Paul
WHETSTONE, RAY F., '97,	Minneapolis
WHITING, ARTHUR D., '95,	St. Cloud
WHITMORE, ARTHUR A., '03,	White Earth, N. Dak.
WIIG, IVER C. J., '96,	Kenmare, N. Dak.
WILCOX, T. E., '97,	
WILLIAMS, THEODORE F., '90,	Chelsea, Wis.
WILLIAMSON, LUTIE L. S., '97,	Parma, Idaho
WILLIS, ELLEN E. A., '99,	Minneapolis
WITHROW, MORRILL E., '97,	International Falls
WOODWARD, ADELAIDE, '02,	Ashland, Wis.
WOODWORTH, ELIZABETH, '01,	Minneapolis
YOUNG, EUGENE W., '96,	Minneapolis
YOUNG, VICTOR A., '03,	Hankinson, N. Dak.

### SUMMARY OF STUDENTS

Fourth Year .....	20
Third Year .....	31
Second Year .....	35
First Year .....	23
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Total—College of Medicine .....	100

## SUMMARY OF STUDENTS

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### COLLEGE OF LIBERAL ARTS

Post Graduate.....	7
Senior Class.....	23
Junior Class.....	27
Sophomore Class.....	80
Freshman Class.....	101
College Specials.....	54    292

### PREPARATORY DEPARTMENT

Fourth Year.....	15
Third Year.....	20
Second Year.....	30
First Year.....	32    97
Department of Music.....	20
Department of Elocution.....	38
	_____
Counted twice.....	447
	50
Total.....	397

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### COLLEGE OF MEDICINE

Fourth Year.....	20
Third Year.....	31
Second Year.....	35
First Year.....	23
	_____
Total College of Medicine.....	109
	_____
Total enrollment.....	506







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07-08

THE CATALOGUE  
OF THE  
UNIVERSITY OF MINNESOTA

# Hamline University Catalogue

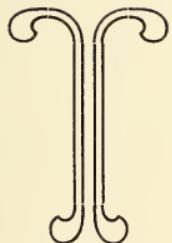
1907-1908



ANNUAL CATALOGUE

OF

# Hamline University



1907-1908

## Calendar for 1908-1909

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1908

- Sept. 15.—Tuesday. Fall Term begins.  
Sept. 15.—Tuesday. Entrance Examinations.  
Dec. 16-18.—Thursday-Friday. Term Examinations.

### VACATION OF TWO WEEKS.

1909

- Jan. 5.—Tuesday. Winter Term begins.  
Mar. 18-19.—Thursday-Friday. Term Examinations.  
Mar. 19.—Friday. Winter Term ends.  
Mar. 30.—Tuesday. Spring Term begins.  
May 24-25.—Monday-Tuesday. Senior Examinations.  
June 6.—Sunday, 10:30 a. m. Baccalaureate Sermon.  
June 7-8.—Monday-Tuesday. Term Examinations.  
June 8.—Tuesday, 2:30 p. m. Annual Meeting of the Board of  
Trustees.  
June 8.—Tuesday, 3 p. m. Address before the Historical Society.  
June 8.—Tuesday, 8 p. m. Class Day Exercises.  
June 9.—Wednesday. Alumni Day.  
June 9.—Wednesday, 2 p. m. Annual Commencement.

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Z. G. HOLMES,

*Instrumental Music.*

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*Librarian.*

EDITH M. REED.,

*Registrar.*

ROY R. HENYON,

*Director of Athletics.*

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*Assistant in Latin.*

JUNE McLAIRD,

*Assistant in History.*

WILL F. WOLF,

*Assistant in Chemical Laboratory.*

ELBERT W. CRANDALL,

*Demonstrator in Zoology.*

GEORGE G. KOTTKE,

*Demonstrator in Zoology.*

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### MASTER OF ARTS

BAKER, HENRY S.,	St. Anthony Park
CANDELL, GRACE C.,	Owatonna
PROSSER, MYRTLE M.,	Lake City
KERN, WILLARD,	Janesville
TERRY, SELINA M.,	Hamline

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BUTLER, COLVIN G.,	Hamline
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WORMAN, ALWIN E.,	Hamline

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MANUAL, ARTHUR W.,	~ Canton
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STORBERG, DAVID W.,	Hawley
WEED, CORA E.,	Hamline
WOOD, EFFIE M.,	Brownsville

## COLLEGIATE DEPARTMENT

---

### STUDENTS

---

#### POST GRADUATES

ALLIN, E. A.,	History,	<i>Rollo, Ill.</i>
BARR, J. H.,	History,	<i>Wabasha</i>
COOKE, ED. A.,	History,	<i>Renville</i>
KUNZ, PHILIP J.,	History,	<i>Owatonna</i>
OLESON, PETER,	History,	<i>Pine City</i>
PACKARD, RICHARD D.,	Economics,	<i>St. Paul</i>
WOOD, IRVEN B.,	Literature	<i>Dover</i>

#### SENIOR CLASS

ARCHERD, HAYS P.,	Dodge Center
BILLING, OLIVER D.,	Cannon Falls
BROWN, FRANK J.,	Hanley Falls
BRYAN, RUTH,	Hamline
BUSH, CARROLL D.,	Grand Meadow
CAMPBELL, MARGARET,	New Auburn
CARVER, GERTRUDE C.,	Wabasha
CONKEY, FRANCES E.,	Minneapolis
COOLEY, DAISY A.,	Otsego
CRANDALL, ELBERT W.,	Bushnell, Ill.
DAVIDSON, HARRIET M.,	Orting, Wash.
DAVIS, ELSIE C.,	Glencoe
DREW, GEORGE N.,	Hamline
ELLERY, CHAS. G.,	Hamline
GOLD, RUTH S.,	Big Stone City, S. Dak.
GRALING, RECA E.,	Hamline
GRAY, FANNY A.,	Delano
HAYES, ALLISON J.,	Hamline
JOHNSON, JOSEPHINE,	Rush City
JOHNSON, MERRILL,	Goodhue
KIDDER, CHAS. S.,	Amiret

KOCH, SUMNER L.,	Clear Lake
KOTTKE, GEORGE C.,	Renville
KUNTZ, ADA B.,	Owatonna
LEE, GERTRUDE A.,	Rush City
NELSON, IDA Y.,	Dawson
OLSON, CLARA J.,	Cando, N. Dak.
RALSTON, BASIL E.,	Crystal, N. Dak.
* ROBINSON, HOWARD,	Hamline
SCHUMACHER, JOHN P.,	Hamline
SHANNON, PAUL E.,	Bemidji
SMAIL, BESSIE E.,	Webster, S. Dak.
UMPLEBY, ERNEST R.,	Hult, N. Dak.
WILKINSON, JAMES E.,	Brookdale, Man., Can.

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ACKERMAN, ETHEL,	Elmore
ADDISON, STANLEY H.,	Marshall
ALLARD, INA L.,	Spring Valley
ANDERSON, CORA B.,	Redwood Falls
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ANDERSON, WESLEY G.,	Hamline
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BAKER, MYRTLE,	Ncche, N. Dak.
CAMPBELL, CHARLOTTE,	St. Paul
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CLEMANS, PEARL E.,	Duluth
CONSTANCE, JENNIE M.,	Cumberland, Wis.
CONSTANCE, MARGARET,	Cumberland, Wis.
DENNY, CHAS. E.,	Kasson
DUNN, GRACE,	Princeton
ECKENBECK, N. RAY,	Appleton
GARRISON, ARTHUR O.,	Hamline
GRANGER, ARTHUR H.,	Canby
GOVE, MATTIE L.,	Windom
GUNTHORP, OLIVE,	Edgeley, N. Dak.
HALEY, EDNA F.,	Alden
HAZLETON, ELLEN,	Byron

HEILMAN, EMMA H.,	Marshall
HEINS, WARREN H.,	Olivia
HESKETH, FRANK C.,	Rolla, N. Dak.
HILL, DAISY M.,	St. James
HONEY, ADA M.,	Park River, N. Dak.
HULL, ELSIE C.,	White Bear
HUNT, MARION E.,	Mankato
LUMLEY, MABEL,	Renville
LYON, MYRON B.,	Hutchinson
McLAIRD, JUNE,	Chatfield
MOORE, DANIEL W.,	Portland, Ore.
MOORE, HENRY G.,	Big Stone City, S. Dak.
MURPHY, WALTER L.,	Dundas
OLIVER, GUY E.,	Hamline
OLSON, STANLEY D.,	Hamline
PAGE, F. GENO,	Hamline
PALMER, CLAUDE E.,	Marshall
RICHARDSON, FANNY E.,	Faribault
ROBINSON, WM. Z.,	Pine Island
ROUNDS, JOHN L.,	Hamline
RUSSELL, ROSE B.,	Sandstone
SAXE, VERA M.,	Plainview
SCHAEFER, ESTHER M.,	Ely
SCHMOLL, LOUIS V.,	Arlington
SMITH, CORA M.,	Fulda
SQUIRE, J. PINKERTON,	Aberdeen, S. Dak.
STARK, PHOENA,	Harris
SWEITZER, LEE R.,	Hamline
SYLVESTER, NETTIE H.,	Plainview
TAYLOR, MAYME,	Pipestone
TEACHOUT, E. L.,	Stillwater
WILLMERT, SADIE,	Blue Earth
WILSON, FANNIE E.,	Janesville
WOLF, WILL F.,	Windom
WRIGHT, FLOYD W.,	Cumberland, Wis.
ZIESENIS, HAZEL,	Chetek, Wis.

## SOPHOMORE CLASS

ANDERSON, PEARL H.,	Grantsburg, Wis.
BOTTUM, NELLIE,	Faulkton, S. Dak.
CASADY, CATHARINE,	St. Paul
CHINN, WINIFRED,	McKinley
CLEVELAND, RUBY R.,	Austin
CRAIG, RALPH S.,	Austin
DAVIS, LESLIE G.,	Sleepy Eye
DITTMER, CLARENCE G.,	Augusta, Wis.
DUEBENDORF, LAURA G.,	Olivia
EDGAR, HAZEL,	St. Paul
ELLSWORTH, WM. D.,	Eveleth
ELY, WM. O.,	Hamline
EVANS, ELLA A.,	Montevideo
FAUS, CORA M.,	Cannon Falls
FIERKE, EDWIN W.,	Sleepy Eye
FOWLER, FANNIE A.,	Redfield, S. Dak.
FRALEY, D. FRED,	Cannon Falls
FRANK, EARLE,	Hastings
GENNOW, MABLE,	Princeton
GIBBONS, ANNA M.,	Hamline
GIBBONS, MAUD E.,	Hamline
GOERTZ, HENRY P.,	Mountain Lake
GUNDERSON, ROSE B.,	Brown's Valley
HARGRAVE, GUY D.,	Armstrong, Iowa
HESKETH, CLARA,	Rolla, N. Dak.
HIGBIE, LELAND C.,	Grand Meadow
HUSER, THOS. E.,	Cumberland, Wis.
IRISH, GENEVIEVE,	Detroit
JOHNSON, MINA B.,	Rush City
KIDDER, GORDON E.,	Amiret
KING, CLARE,	Austin
KOELSCH, ARTHUR,	Rochester
LEVINGS, J. EDWIN,	Cumberland, Wis.
LOCKER, VERA,	Hamline
LUND, ELMER J.,	Olivia
MCDOWELL, EFFIE,	Hutchinson
McKINLEY, MARY,	Cannon Falls

MALLERY, A. LEA,	Albert Lea
NISSEN, ANNA H.,	Grand Meadow
NOBBS, FLORENCE E.,	Olivia
PACKARD, WM. D.,	Rolla, N. Dak.
PADDEN, EDITH,	Hamline
QUIGLEY, HAROLD S.,	Fairmont
RENNING, C. FRANCES,	Kasson
ROAN, ANNA M.,	Ellsworth
ROBSON, MINNIE M.,	Red Wing
SCHOW, OLLIVE,	Wells
SCHRAP, EVANGELINE,	Dodge Center
SEVERNS, HATTIE L.,	West Concord
SKEMP, LILLIAN,	Cloquet
STEVENS, MAUDE I.,	Appleton
STORBERG, VICTOR H.,	Hawley
SUNDBERG, HOWARD S.,	Hamline
TEICHROEW, PETER A.,	Mountain Lake
THOMPSON, VERNE,	Hamline
WAY, GENEVIEVE L.,	Claremont
WELLS, ARDELLE,	Austin
WILLIAMS, FLOYD,	Dodge Center
WOOD, CLARENCE W.,	Morris

## FRESHMAN CLASS

ANDERSON, ARTHUR R.,	Hamline
ARMSTRONG, ANNA E.,	Smith Lake
ARMSTRONG, ETHEL E.,	Smith Lake
ASH, ANNA I.,	Mankato
BALDWIN, JERRY C.,	Plainview
BECKENDORF, ARTHUR L.,	St. Paul
BENSON, JOHN C.,	Heron Lake
BILL, HARRIET L.,	Cannon Falls
BILLING, LILIAN G. F.,	Cannon Falls
BLISS, PAUL S.,	Hamline
BLOOD, CLAUDE L.,	Downing, Wis.
BOARDMAN, BEADA,	New Richmond, Wis.
BOLLER, CHARLOTTE C.,	St. Paul
BORST, R. WARNER,	Fergus Falls

BRASIE, JESSIE,	Monticello
BREWSTER, ROBERT E.,	Stewartville
BROWN, DAN O.,	Hanley Falls
BRYAN, CLARA,	Hamline
BURNS, MYRTLE,	Reynolds, N. Dak.
BUTLER, J. ARTHUR,	Heron Lake
CHAMBERS, THOS. W.,	Churchs Ferry, N. Dak.
CLIFFORD, ALLISON F.,	Duluth
COOK, FLOYD E.,	Blue Earth
CORNELIUSSEN, BERTHA,	Hamline
CORNELIUSSEN, OSCAR J.,	Hamline
CORNELL, E. LESLIE,	Amboy
DANIELS, ESTHER E.,	Mankato
DAVIS, JOSIE,	Boardman, Wis.
EARL, ALVA S.,	Hamline
ELLIOTT, RUTH,	St. Paul
ELLISON, VIOLA M.,	Monticello
EMERSON, ETHEL,	Montevideo
EVANS, JOHN W.	Montevideo
FOLLETT, SHERMAN,	Sherburn
GEGGIE, MARGARET I.,	Minneapolis
GIBB, JESSIE F.,	Cottonwood
HAINES, CALE S.,	Holloway
HAMBLETON, R. T.,	Grand Meadow
HANSON, ALBERT H.,	Spicer
HARDY, FAITH C.,	Morris
HARVEY, HOWARD M.,	Underwood
HENEMAN, BLANCHE A.,	Lester Prairie
HENRY, ETHEL,	Dodge Center
HESS, MARY A.,	Sleepy Eye
HOAGLAND, FRANK,	Marshall
HOFF, HILDA,	Dawson
HOLMES, ROY J.,	Hamline
HOLZAPPFL, FREDA,	Hamline
HOPKINS, RALPH E.,	Cumberland, Wis.
HORTON, NINA M.,	Thief River Falls
HUETSON, ROY H.,	Minneapolis
HURD, HAROLD H.,	Minneapolis
JENSEN, ARTHUR J.,	Brown's Valley

KACHEL, EDWIN,	St. Paul
KERNS, BEATRICE,	St. Paul
KIDDER, WALLACE J.,	Amiret
LITTLE, JOHN,	Kasson
LIVINGSTON, HAZEL,	St. Peter
LOVE, FRED,	Preston
MATTHEWS, HENRY G.,	Deer Park, Wis.
MUSSACK, WILL,	Amboy
NALL, FRANCES,	Hamline
NEELY, ORA A.,	Puposky
NEILL, ANNIE LO,	Sibley, Iowa
OHM, WM. H.,	Elba
OLIEN, IDA M.,	Clarkfield
O'MALLEY, IRENE,	St. Paul
PAIN, OLIVE D.,	Glencoe
PARSON, BELLE,	Jeffers
PARSON, RUBY L.,	Jeffers
PECKHAM, MAUDE,	Moran, Kansas
PERRY, ESTHER M.,	Mapleton
PEOPLES, BENJ. H.,	Detroit
PETERSON, RUTH E.,	Ortonville
PORTER, BERTHA E..	Hamline
REED, RAY L.,	Slayton
RHODES, MARY E.,	Minneapolis
ROBINSON, FLORENCE K.,	Redwood Falls
SCHARFF, E. MAUD,	St. Paul
SCHEER, ALFRED,	Howard Lake
SCHEER, LYDIA,	Howard Lake
SCHOENING, HARRY A.,	Olivia
SCOTT, WM. E.,	Two Harbors
SERVER, EDNA F.,	New Richmond, Wis.
SHANNON, BESSIE L.,	Minneapolis
SORENSEN, EMMA,	Monticello
SPENCE, MARY E.,	Boardman, Wis.
SQUIRE, KA P.,	Aberdeen, S. Dak.
STROMME, LEONARD,	Minneapolis
SWEITZER, JAMES R.,	Hamline
SYLVESTER, META M.,	Plainview
TALLMADGE, ETHEL J.,	Hamline

TAYLOR, EDWIN J.,	Howard Lake
TENNISON, BLANCHE,	Monticello
THOMAS, ETHEL,	Haswell, Col.
THURBER, LEWIS M.,	Chatfield
TIDD, FRANCES E.,	Austin
TRAPP, MILTON A.,	Dodge Center
TRELFORD, THOS.,	Two Harbors
VALLENTYNE, JOHN B.,	Minneapolis
WARNER, BETH,	Wheaton
WARNER, MABEL,	Wheaton
WESTMAN, EDWARD W.,	Winona
WRIGHT, EDGAR R.,	Bagley

## SPECIAL STUDENTS (a)

ARNY, EDMUND G.,	Newport
BELL, BEATRICE,	Walhalla, N. Dak.
BORNE, MARY T.,	Fergus Falls
BRANN, W. EARL,	Hamline
BUFFUM, CLYDE C.,	Hamline
CALDWELL, LOUISE,	Hamline
CATLIN, LEONA,	Fairmont
DODDS, JESSE T.,	Minneapolis
DUNN, GEORGE R.,	Princeton
ELLERY, CLIMO R.,	Hamline
EPTON, EFFIE M.,	Rolla, N. Dak.
ERBST, WILHELMINA,	Hamline
FINNEY, JEWEL M.,	Hamline
FOWBLE, LOUISE S.,	St. Paul
GEBHARD, RALPH M.,	Beardsley
GLASS, WARREN V.,	Hamline
GOFF, JOHN L.,	Drayton, N. Dak.
GUNDERSON, HENRIETTA,	Kenyon
HAGGANS, GEORGE L.,	Rockwood, Ont., Canada
HALVORSON, CORA E.,	Dawson
HEWITT, EZRA,	St. Paul
HICKMAN, ETHEL C.,	Bath, S. Dak.
HICKMAN, EUGENE C.,	Bath, S. Dak.

HOLLIDAY, WALTER B.,	Hamline
JENSON, JOHN,	Hamline
KELLEY, GLADYS,	Wabasha
KRATKY, ARCHIE W.,	Owatonna
KUHN, EARL M.,	Minneapolis
LAMBERT, BLAINE,	Fergus Falls
LARSEN, LOUELLA,	La Crosse, Wis.
LEA, JOHN,	Hamline
LEAVITT, HARVEY P.,	Lake Crystal
LOCKER, GLEN S.,	Hamline
LUTZ, ROLLAND R.,	Austin
MATCHETT, HENRY J.,	Hamline
McKELVEY, ROBERT J.,	Hamline
MEACHAM, ROLLA K.,	Edgerton
MOREHOUSE, JAMES W.,	Hamline
MORGAN, EDWIN J.,	Olivia
PAGE, HELEN PEARL,	Long Lake
PALMER, EDITH B.,	Brownsville
REED, THOMAS,	Hamline
RUSSELL, BLANCHE,	Sandstone
STORR, HAZEL,	St. Paul
WALTZ, IRENE,	St. Paul
WARREN, WINNIE,	Lake Wilson
WATERS, HAZLE B.,	Fergus Falls
WHEELER, H. MYRL,	St. Anthony Park
WOLFE, REBECCA,	Morristown
WYNN, WM.,	Antler, N. Dak.

Class A is made up of students expecting to become graduates.

#### SPECIAL STUDENTS (b)

AVISON, CLAYTON C.,	Hamline
BEAULIEU, FLORENCE,	Hamline
BEAULIEU, FRANK D.,	Hamline
BEDFORD, ALIDA,	Rushmore
BENSON, CLYDE L.,	Hamline
BOTTUM, FANNIE C.,	Faulkton, S. Dak.
BRAZIL, MICHAEL,	Minneapolis
BROWN, BARBARA,	La Crosse, Wis.

CARLSON, PAUL,	Churches Ferry, N. Dak.
CONE, BERNICE,	St. Paul
CULBERTSON, ROBERT B.,	Birchwood, Wis.
GANFIELD, LEO P.,	Hawarden, Iowa
GRINSTED, GRACE A.,	Minneapolis
GUSTINE, HARRY L.,	Rochester
HIGGINS, WARREN P.,	Hamline
LOVELL, JOHN W.,	Vernon Center
MAITREJEAN, ELEANOR,	Somerset, Wis.
NELSON, ROBERT D.,	Owatonna
NORDBERG, REUBEN,	Minneapolis
ORME, THOS. H.,	Minneapolis
PICKEN, MAE,	Hamline
PORTER, LAVINA,	Hamline
POWELL, ADA M.,	Montgomery
REED, EDITH M.,	Slayton
ROBINSON, ESTELLA K.,	Hamline
SCHOENING, BERTHA,	Minneapolis
STEVENS, BLANCHE W.,	Hamline
THUNE, ZELMA,	Redwood Falls
THURBER, MERRILL O.,	Chatfield
YOSHIDA, JOSEPH,	Tokio, Japan

## THE CURRICULUM

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Two courses each leading to the Baccalaureate degree are given, viz:—

- (a) The Bachelor of Arts Course extending throughout four years includes courses in the ancient languages as entrance requirements and also during a portion of the college course.
- (b) The Bachelor of Philosophy Course offers ancient languages as elective, but the student may elect, instead, courses in German, French, or the Sciences.

## REQUIREMENTS FOR ADMISSION

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1. Students who have completed the four years course in the Preparatory Department of this institution are admitted to the freshman class.
2. Students who present a certificate of graduation from an accredited high school, having a four years course, will be admitted to the freshman class as candidates for the appropriate degree.
3. Students presenting evidence of having completed one year or more of high school work will be assigned to the appropriate class in the preparatory department and on completing their preparatory course will be admitted to the freshman class.
4. Students coming from a reputable college or university with a certificate of honorable dismissal will be received into the same grade as they held in the school from which they come.
5. Students who have completed the "Advanced Graduate Course" at a Minnesota State Normal School will be given one year's credit in college work.

**Required Studies**

All Freshmen who are

candidates for the degree of Bachelor of Arts must take Latin A, B; Greek C; Mathematics A; English A, and either History A, B or Biology A;

candidates for the Degree of Bachelor of Philosophy must take Mathematics A; English A, B, and either Latin A, B, German A, or French A; and either History A, B, or Biology A.

All students must take during either the Freshman or Sophomore year one year of Science.

All Sophomores must take through the year one course in either German or French, which in the case of those who have elected a modern language in freshman year must be an advanced course in the same language.

All Sophomores and Juniors must take through the year either English Language D, Oratory or Debate.

Sixteen hours' work per week are required of all classes, except in the second and third terms of the Senior year, in which fifteen hours per week are required. One hundred ninety hours of term work are required for graduation, three of these being credited for the Senior thesis.

No student will be allowed to take more than sixteen or less than twelve hours class work per week without the permission of the registration committee.

**Registration—Deficient Work**

When a student has entered upon his College Course, he shall then and thereafter first register for the study or studies of the corresponding terms of previous years in which he may have been deficient. He shall not register for any subject to the exclusion of a preceding one which he has not completed and which is pursued in the term for which he registers.

In all cases prescribed courses must take precedence over elective courses.

**Prompt Registration**

Students are expected to appear promptly for registration on the first day of each term. Those who register on the second day will be charged an additional fee of one dollar for registration, two dollars on the third day, and three dollars on the fourth day or later.

**Record and Examination**

Final written examinations are held at the close of each term, and also at irregular intervals during the term. The student's record in any study is based on data derived from both his daily recitations and his examinations. No final examination will be given in any subject before the time set for the regular class examination. Conditions must be removed within one year. No credit will be given for the work done in courses which are not completed.

**Senior Theses**

Each Senior before graduation is required to present an approved thesis of at least 3,000 words. The subject and matured scheme of said thesis shall be presented to the Standing Committee on Theses, Thanksgiving week, and the completed thesis shall be presented by the opening of the spring term.

**Special Students**

Persons desiring to take courses not leading to a degree will be permitted to do so provided that they furnish satisfactory evidence of their ability to pursue profitably the studies they propose to take up before being admitted to any of the classes. Special students taking ten hours a week of college work must register for required English courses.

## COURSES OF INSTRUCTION IN EACH DEPARTMENT

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### Latin

Professor Thompson

COURSE A.—*Livy*, Books I and XXI, four times a week for the fall and winter terms; to illustrate the early legendary history of Rome and the most thrilling incidents of the Second Punic war. Elective for Freshmen, Sophomores, Juniors and Seniors.

COURSE B.—*Horace*, four times a week for the spring term. A reading of the Odes and a few of the Satires, particular attention being paid to the study of the various metres and the rhythmical reading of the Odes. Elective for Freshmen, Sophomores, Juniors and Seniors.

COURSE C.—I. *Terence*, five times a fortnight for the fall term, to illustrate the earlier stages of the language and the Roman comedy. Elective for Sophomores, Juniors and Seniors.

II. *Cicero*, five times a fortnight during the winter term. The philosophical writings are read and discussed, *De Amicitia* as a basis. Elective for Sophomores, Juniors and Seniors.

III. *Horace*, five times a fortnight during the spring term; the *De Arte Poetica* is read and analyzed with reference to rhetorical criticism. Elective for Sophomores, Juniors and Seniors.

Courses E & F; Plautus, Pliny, Quintilian, Juvenal, Lucretius and Tacitus substituted in alternate years for Course G.

**COURSE G.**—In the fall, winter and spring terms of Junior and Senior year a special course in methods of Classical Study and Teaching will be offered for those intending to teach preparatory Latin after graduation. Open to those who have taken courses A, B and C. This course will be given in 1908-1909 and in alternate years thereafter.

**COURSE H.**—Supplementary work.

An opportunity will be offered to any who desire to do extra work in Latin translation or to make studies of ancient life and customs, or to prosecute philological researches. If there is sufficient encouragement a Latin Seminary will be organized to meet once a week for the special study of a chosen author or period, and lectures will be delivered and papers presented on the topics to be discussed, open to those who have taken courses A, B and C.

All the instruction in the Latin department will have frequent reference to Roman archaeology, history and geography, and attention will be called to the latest results attained in classical philology. Constant effort will be made to render the course practical and progressive, especial attention being called to the fact that the Roman language still lives in our speech and the Roman jurisprudence in our laws.

## Greek

**Professor Keller**

COURSE A.—I and II. White's First Greek Book.  
III Xenophon, *Anabasis*, Book I; Prose Composition. Five hours. Open to all college classes.

COURSE B.—I and II. Xenophon, *Anabasis*, Books II-IV. Herodotus, Selections. Prose Composition.  
III. Homer, *Iliad*, Books I-III. Five hours.  
Open to all students who have completed A.

COURSE C.—I. Lysias, Select Orations.

II. Xenophon, *Memorabilia*.

III. Homer, *Odyssey*. Five hours. Open to all students who have completed A and B.

Required for the A. B. degree.

COURSE D.—Plato, *Apology*; Sophocles, *Antigone*; Demosthenes, *DeCorona*. Three hours a week.  
Open to students who have completed A B and C.

COURSE E.—New Testament; a two-hour course through Fall Term. Open to all students who have completed two years of Greek.

Courses A and B are designed for students who enter college without Greek.

The chief aim in the study of Greek is to develop familiarity with the great literature of Greece and thus to come in touch with the classical age. But the disciplinary value of the study of the language is by no means ignored, for to appreciate the literature, one must have a thorough knowledge of the rudiments of the language, and it is here that the student receives

mental discipline. Familiarity with the literature implies familiarity also with the history, mythology, art and life of ancient Greece.

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## German Language and Literature

Professor King

GERMAN A.—*Beginning German.* The aim is to lay a thorough foundation for future study in German. The work covers Part I of Joynes-Meissner's German Grammar and the whole of Hewett's German Reader. Special attention is given to conversation based on each lesson, and to the reading and memorizing of short poems. Daily work in composition throughout the year. An effort is made to get the student thoroughly initiated into the spirit and idiom of the language. Four hours a week throughout the year. Course A in either French or German is required.

GERMAN B.—*Intermediate German.* A course in the German classical drama, the aim being to introduce the student to some of the best productions of that notable period. The works read include Lessing's Emilia Galotti and Minna von Barnhelm, Goethe's Hermann and Dorothea; and Schiller's Wilhelm Tell and Maria Stuart. Hatfield's Lyrics and Ballads is read entire. Daily practice in conversation and frequent discussions of authors and literary topics. During the winter term one month is devoted to composition work, based on either

Hillern's *Höher als die Kirche* or Baumbach's *Der Schwiegersohn*. Four hours a week throughout the year.

GERMAN C.—*The Novel and Short Story.* The purpose of this course, aside from the enjoyment of the high literary values of the works read and the pictures of life presented in this form of literature, is to acquire speed and accuracy in translating German and in so far as possible to eliminate the obstacles presented by a foreign tongue. Much time will be given to conversation and translation into the German idiom. This work will open the way to a keener and more intelligent appreciation of Courses D and E. The authors taken up will include Stifter, Ludwig, Freytag, Storm, Keller, Heyse, Wildenbruch, Sudermann and Frenssen. This course is three hours a week throughout the year. It is open to those who have completed Courses A and B or have had three years' secondary work in German.

GERMAN D.—*A Course in the Life and Works of Goethe and Schiller.* This course will take up for exhaustive treatment six or seven of the best works of each of these authors and in connection with that will make a careful study of their lives and the history and spirit of their time. Papers, sketches and discussions will be required. Two hours a week throughout the year. Open to those who have completed A, B and C.

GERMAN E.—*The Modern German Literature.* This course aims to present a general outline of German life in the nineteenth century exclusive of the classical works on Goethe and Schiller, which belong more properly to the study of the preceding century. Points of difference will be noted between this period and the one immediately preceding. Among the authors studied are Heinrich von Kleist, Grillparzer, Wildenbruch, Sudermann and Hauptmann. The spring term is devoted to German lyric poetry. Two hours a week throughout the year. Courses D and E are alternate courses. Course E will be given in 1908-'09.

GERMAN F.—*A Course in the History of German Literature.* The object of the course is to afford a connected view of German Literature from earliest times up to the present. Periods not touched upon in the above courses will be filled in. The work will be presented mostly in the form of lectures. Thomas' German Anthology and Wenckebach's Meisterwerke des Mittelalters will be read and used as a guide to the study. Open to students who have had Courses A and B. One hour a week through the year. This course will be given in 1909-'10.

## French Language and Literature

Professor King

COURSE A.—*Beginning French.* The effort in this course is to lay a firm and sure foundation for the future study of French. It is thought that the language is best learned by an intermingling of grammar, translation, composition and conversation. Much care is given to irregular verbs and the study of idioms. The work may be outlined as follows:

I. Fall term: Grammar, Fraser and Squair, Part I. Irregular verbs, daily drill in translation, composition and conversation. Whitney's French Reader.

II. Winter term: Composition and conversation based on *La Dernière Classe* and *Le Siège de Berlin*, Mérimée's *Colomba* and Halévy's *L' Abbé Constantin* are read.

III. Spring term: Reading and conversation. Study of idioms continued. The works read include Dumas' *Swiss Travel*, *Mon Oncle et Mon Curé*, Verne's *Les Forceurs de Blocus*, and comedies, such as *Le Barbier de Seville*, *Le Voyage de M. Perrichon* and *La Grammaire*. Four times a week throughout the year.

COURSE B.—*A General Course in French Literature.* The aim is to introduce the student to the best authors and a few of their works. This course begins with the Augustan Age of Louis XIV and ex-

tends to present times. A careful study is made of each author and of the history and life of his time. Attention is given to changes, growth and development in French Literature. The work may be presented as follows:

I. Fall term: Corneille's *Le Cid* and *Cinna*; Racine's *Esther* and *Athalie*.

II. Winter term: Molière's *Le Misanthrope* and *Le Bourgeois Gentilhomme*; Hugo's *Hernani* and *Cromwell*.

III. Spring term: Rostand's *L'Aiglon* and *Cyrano de Bergerac*; Musset's *On ne badine pas avec l'Amour*; Maupassant's short stories. Lyric poems. Two hours a week throughout the year.

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## Spanish

Professor Keller

COURSE A.—*Elementary Spanish*. Four hours a week throughout the year. Offered as an elective for sophomores, juniors or seniors, but not to offset any requirements in modern language. Hill's and Ford's Grammar complete; Ramsey's Elementary Spanish Reader. Prose Composition. Conversation.

## English Language

Professor Beyer

COURSE A.—*Rhetoric*. A study of the theory and a practice of the principles of English Prose.

I. *Narration and Description*. Fall term. Two hours.

II. *Exposition and Details of Style*. Winter term. Two hours.

III. *Argumentation and Word Study*. Spring term, two hours.

Course A is required of all Freshmen.

COURSE B.—*American Poetry*. A study of the best work of our nine principal American poets; and of the laws of poetic composition. Most of the selections read will be found in Page's *Chief American Poets*. Shackford's *First Book of Poetics* may also be required.

Two hours a week through the year. Required of Freshmen in Philosophy Course.

COURSE C.—*The Short Story*. The aim is to know critically the best stories; to compare them with the typical novel; and to construct a creditable plot. Jessup and Canby's *Book of the Short Story*, and Barrett's *Short Story Writing* have been used as bases for discussion. One hour a week.

COURSE D.—*The Essay*. An historical and critical study of the English Essay—with special attention to Bacon, Addison, Steele, DeQuincy, Hazlitt, Lamb, Macauley, Carlyle and Emerson. One hour a week.

Courses C and D are given in alternate years, Course C will be omitted in 1908-9.

Sophomores and Juniors are required to take either *Essay* or *Debate*.

COURSE E.—*Old English*. 700-1066 A. D. An elementary study of the Old English language using Cook's *First Book in Old English* as a text; and an introduction to the easiest 9th, 10th and 11th century prose, such as the works of Alfred the Great, Aelfric, and the translations of the New Testament.

Two hours a week for the year.

Elective for the three upper classes, but should precede Course F.

COURSE F.—*Middle English*, 1066-1400 A. D.

I. *Lectures on the History* of the development of the English language and literature from the Norman Conquest to Chaucer, with readings from popular ballad poetry.

II. *Piers the Plowman*. Careful study of Langland's masterpiece, with references to his contemporaries, Gower and Wyclif.

III. *Chaucer*. The study of practically all of Chaucer's poetry. Root's *Poetry of Chaucer* will

be used as a basis for criticism. This course is designed to trace Modern English to its beginnings in the Transition period as well as to get an appreciation of the Middle English Literature. Two hours a week for the year. Elective for the three upper classes. Courses E and F alternate.

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### Oratory and Debate

Professor Cooper

COURSE A.—*Debate*. A course in the study and practice of Argumentation. Several noted arguments are analyzed by the class, briefs are studied and made, and extempore debates are given by appointed disputants. Carefully written arguments are also required. Once a week throughout the year.

COURSE B.—*Orations and Speeches*. The work in this course includes the study of the theory of oratory, the analysis of selected American orations, and the making of orations and speeches. Special attention is given to the style of the orations of Webster and of the speeches of Lincoln. Once a week throughout the year.

Course B is omitted in 1908-1909. All Juniors and Sophomores are required to take either the courses in Oratory and Debate or the courses offered in Short-story and Essay.

## English Literature

Professor Cooper

COURSE A.—*Outline History and Rapid-Reading Course.* The object of this course is to give a clear understanding of the nature of literature and of literary criticism, a knowledge of literary types, and an intelligent appreciation of the best that has been done in English from Chaucer to the present time. Winchester's Principles of Literary Criticism and either Pancoast's Introduction or Stopford Brooke's Primer serve as guides. The text-books are supplemented by lectures upon the historical significance of the authors treated and selection read.

The selected works examined may be grouped as follows:

*Fall Term.*—Sixteenth and Seventeenth Centuries. Spenser's Faery Queene, Books I and II; Palgrave's Golden Treasury, Books I and II; Milton's Paradise Lost, Books I-VI, Minor Poems, Samson Agonistes.

*Winter Term.*—Eighteenth Century. Pope's Essay on Criticism, Essay on Man, Rape of the Lock, Epistle to Dr. Arbuthnot; Palgrave's Golden Treasury, Book III; Goldsmith's Traveler and Deserted Village; Cowper's Task; Page's British Poets, selections from Wordsworth, Coleridge, Scott.

*Spring Term.*—Nineteenth Century. Page's British Poets of the Nineteenth Century; selections from Byron, Keats, Shelley, Tennyson, Browning, Arnold, Rosetti, Morris, Swinburne.

Course A is elective for Sophomores. Three times a week throughout year.

COURSE B.—*English Literature, 1750-1830.* The history of the revival and growth of English Romanticism and its connection with the French Revolution are traced in lectures by the instructor. The students are required to read and thoroughly examine the bulk of Burns, Wordsworth, Scott, and Byron, and essentially all the poetry of Coleridge, Shelley, and Keats. The fall term is given to Burns and Wordsworth, the winter term to Coleridge, Shelley and Keats, and the spring term to Byron and Scott. Four times a week throughout the year. Open to Juniors and Seniors who have taken Course A.

COURSE C.—*Shakespeare.* A critical analysis of Shakespeare's poetic and dramatic art as represented in his poems, his sonnets, and his dramas, with collateral readings in other Elizabethan dramatists. The work may be outlined as follows:

*Fall Term.*—Early comedy and tragedy, and the English history plays: Romeo and Juliet, Love's Labour's Lost, Comedy of Errors, Two Gentlemen of Verona, Midsummer Night's Dream, Henry VI, Richard III, Richard II, Henry IV, Henry V. Collateral: Merry Wives of Windsor, Marlowe's Edward II, and Doctor Faustus.

*Winter Term.*—Middle and Later Comedy: Merchant of Venice, Taming of the Shrew, Much Ado About Nothing, As You Like It, Twelfth Night, All's

Well That Ends Well, Measure for Measure. Collateral: Jonson's Every Man in His Humour, The Alchemist, and Beaumont and Fletcher's Philaster. Middle Tragedy; Julius Caesar, with Jonson's Sejanus as Collateral; Hamlet, with Titus Andronicus, and Kyd's Spanish Tragedy as Collateral.

*Spring Term.*—Later Tragedy: Othello, Lear, Macbeth. Romances: Cymbeline, Tempest, Winter's Tale. Poems: Venus and Adonis, Rape of Lucrece, sonnets.

Elective for Juniors and Seniors who have taken Course A Four times a week.

COURSES D and E.—*Victorian Literature.* A thorough analysis of the writings of the chief poets and prose-writers of the Victorian Age. The readings for this course are done outside of the class-room by general and special assignment. The class-room work consists of reports, discussions and lectures. The work is of a strictly advanced character, arranged for those who are specializing in English Literature, and the course is therefore open only to those who have had Course A, and who either have had or are taking Courses B and C, and the Middle-English Course in Chaucer. The course requires two successive years' work, three periods a week, and is divided as follows:

COURSE D.—Victorian Prose Masters: Carlyle, Newman, Arnold, Ruskin; with illustration from Thackeray, Eliot, Meredith, Emerson and Pater.

COURSE E.—Victorian Poetry: Tennyson, Arnold, Browning; with illustrations from Clough, Mrs. Browning, the Rosettis, Morris, Swinburne, Part II will be given in 1908-1909.

Resident graduate work in this department will be arranged to suit the needs of the individual student. Work is being done this year in the development of English prose in the nineteenth century.

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## History

Professor Innis

COURSE A.—*English History*. The political history of England; the development of the English people; the origin of their institutions; the growth of constitutional principles; the economic and social conditions of each epoch; the relations with the Continent; colonial expansion and the present British Empire. *First half year.*

Text—Gardiner's or Terry's History of England. Readings in standard histories and biographies and in select documents.

COURSE B.—*American History*. The political history of the United States; the origin and development of American institutions; the political, economic and social forces in each epoch; the colonial forms of government, development under the Constitution; the question of slavery; the expansion of the West; later national questions. *Second half year.*

Text—Elson's History of the United States. Readings in standard histories and biographies and in select documents.

Courses A and B are four days a week; elective for Freshmen. Recitations, lectures and reports on assigned topics. Frequent quizzes.

**COURSE C.—*Grecian History.*** A general study of Grecian History; the development of the institutions and social life of the people; their art, literature and philosophy; the chief public men; the conflict with the East; Alexander's conquest; the comparison of the spirit and civilization of the Greeks with those of the Orient and of Rome. First half year.

Text—Bury's History of Greece. Readings in works on Grecian History and civilization, and biographies.

**COURSE D.—*Roman History.*** A general study of Roman History. The development of the institutions and principles of government and of the economic and social life; the struggle of the Plebians for political rights; the conquests and influence of Rome; the decay of the Republic and the founding of the Empire; the colonies and provinces; a comparison of Roman institutions and civilization with those of Greece, England and America. Second half year.

Text—How and Leigh's History of Rome. Readings in works on Roman history and institutions and in biographies.

Courses C and D are four days a week; elective for Sophomores. Recitations, lectures, discussions, frequent themes and quizzes.

COURSE E.—*Mediaeval History, 476 to 1300 A. D.*

General survey of Mediaeval History; the invasion of the barbarians; the development and influence of the Church; the Papacy and the Empire; Feudalism; the Crusades; the origin of institutions; commercial, industrial and social progress; mediaeval civilization. First half year.

Authorities—Periods I and II in European History, Emerton's Middle Ages, Robinson's History of Western Europe, Barry's Papal Empire, and select documents.

COURSE F.—*The Renaissance and Reformation, 1300 to 1600 A. D.* The transition from Mediaeval to Modern History; a general survey of political and social movements; the revival of learning in Italy; its religious character north of the Alps; the Reformation; the conflict between Catholicism and Protestantism; the religious wars; the larger world opened by discoveries and inventions. Second half year.

Authorities—Periods III and IV in European History, Cambridge Modern History, Symond's works, biographies, select documents.

COURSE G.—*European History, 1600 to 1789 A. D.*

The Thirty Years War; the Age of Louis XIV; the aggression of France; the rise of Russia and Prussia; Frederic the Great; colonial enterprise;

the Old Regime; social and political conditions; the eve of the French Revolution. First half year.

Authorities—Periods V and VI in European History, Cambridge Modern History, Gindley's Thirty Years' War, Lowell's Eve of the French Revolution and biographies.

COURSE H.—*European History*, 1789 to 1900 A. D.

The French Revolution; the work of Napoleon; the Reaction in Europe; later revolutions; the liberation and unification of Italy and Germany; the reconstruction of Europe; the two Eastern questions: present relations of great powers. Second half year.

Authorities—Periods VII and VIII in European history, Cambridge Modern History, Andrews' Historical Development of Modern Europe. Fyffe's Modern Europe and biographies.

Courses E and F and Courses G and H will be offered as alternates. Courses E and F will be offered in 1908-1909. Elective for Juniors and Seniors. Lectures, discussions and reports on subjects given for special investigation by the students. Three days a week.

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## Education

Professor Innis

COURSE A.—*The History of Education*. Greek, Roman and early Christian education; the development of the mediaeval schools; the rise of the universities; the theories and work of the Humanists,

the Realists and the Naturalists; the later psychologic, scientific and social principles of education. First half year.

Text—Munroe's *History of Education*. Readings in Laurie, *Pre-Christian Education*; Compayre, *History of Pedagogy*; Quick, *Educational Reformers*, and biographies.

COURSE B.—*Psychology as applied to Education*. The meaning and aim of education; the central nervous system; the faculties of the mind, their development and discipline; apperception; the culture of the thought powers; the training of the will; moral education; the art of study and teaching. Second half year.

Text—Baldwin's *Psychology applied to the art of teaching*; readings in James' *Talks to Teachers*; Thorndike, *Principles of Teaching*; Harris' *Psychologic Foundations*; and Halleck, *Central Nervous System*.

Courses A and B are four days a week, elective for Juniors. Recitations, lectures, individual research and reports.

COURSE C.—*School Management*. The pupil and teacher; the school house and equipment; sanitation; discipline; class organization; recitation; characteristics of good teaching; correlation of studies; the different grades of school; educational values and methods of teaching. First half year.

COURSE D.—*Practical Pedagogy*, particularly as related to the High Schools. The teacher and his work; the training of teachers, qualifications, preparation and aids; general methodology; the High School, its position, curriculum and methods; training for citizenship; education and life; the teacher's relation to the principal, the board and the public; the superintendent; observation of the work of experienced teachers. Second half year.

Courses C and D are three days a week. Elective for Seniors. Discussions, lectures and reports on assigned topics.

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## Political and Social Science

Professor Woods

COURSE A.—*Government in the United States*. This course is designed to serve as an introduction to Political Science. A careful study is made of the organization of the national, state, and local government with especial emphasis upon the actual workings and the present problems of government in America. Fall term, four days a week. Elective for Sophomores and Juniors.

COURSE B.—*Comparative Politics*. A theoretical and historical study of the principles of Political Science as seen in the constitutions and parties of the leading states of Europe. Winter term, four days a week. Elective for Sophomores and Juniors. Prerequisite Course A.

COURSE C.—*International Law*. An elementary study of the law of peace and the law of war. The origin, development, and present authority of the system of rules which govern the intercourse of civilized nations. Spring term, four days a week. Elective for Sophomores and Juniors. Prerequisite Course A or B.

Courses A, B and C together constitute a year's consecutive work in the subject of Political Science.

COURSE D.—*Economics*. A thorough introduction to the principles which govern the valuation and distribution of wealth. This course extends through six months and should be taken by all students who desire to elect subsequently courses E, I, J or K. Fall term, four days a week, and winter term three days a week. Elective for Sophomores and Juniors.

COURSE E.—*Money and Banking*. An introduction to the principles underlying metallic and paper money, prices, foreign exchange, credit, banking, credit-currency, with special reference to the financial history of the United States. Spring term, three days a week. Elective for Sophomores and Juniors. Prerequisite, Course D.

Courses D and E together constitute a year's consecutive work in the subject of Economics.

COURSE F.—*Introduction to Sociology*. A study of the nature and principles of social organization, as seen in the origin and development of domestic, political, religious and industrial institutions. Vari-

ous views regarding the nature of human association will be examined, and the progress of social philosophy sketched in outline from Plato to the present time. Fall term: Three days a week. Elective for Juniors and Seniors.

COURSE G.—*Social Psychology*. An examination of the results of the recent study of human society from the point of view of motive and mental interaction of individuals. Such phenomena as public opinion, custom, mob-mind, invention, imitation, prestige and personal ascendancy will be studied. Winter term: Three days a week. Elective for Juniors and Seniors. Prerequisite, Course F.

COURSE H.—*Practical Sociology*. Methods employed to improve the condition of the dependent, defective, and delinquent classes; principles of relief; causes, treatment, and prevention of crime; and other topics connected with the betterment of social arrangements. Spring term: Three hours a week. Elective for Juniors and Seniors. Prerequisite, Course F.

Courses F, G and H together constitute a year's consecutive work in the subject of sociology.

COURSE I.—*Railway Transportation*. The progress of railway industry in the United States; the extension, reorganization, and consolidation of railway systems; competition, discriminations, rate-making, and the relation of the railway to the state. Fall term: Three days a week. Prerequisite, Course D.

COURSE J.—*Socialism*. A study of the origin and growth of the socialist movement; its economic, political, and scientific aspects; its leading exponents; a critical examination of its constructive proposals. Winter term: Three days a week. Prerequisite, Course D.

COURSE K.—*Trusts and Monopolies*. A study of the causes, advantages, and dangers of large-scale production as seen in the modern trust; the present organization of business enterprise; the nature and extent of monopoly. Spring term: Three days a week. Prerequisite, Course D. Alternates with Course L. Given in 1908-1909.

COURSE L.—*Municipal Problems*. The conditions arising from the concentration of population in the modern urban community; racial, industrial, and political groupings; municipal transportation; municipal art; the practice of democracy in the municipality. Spring term: Three days a week. Prerequisite, Course A. Alternates with Course K.

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### American Constitutional and Common Law

This course is an elective, twice a week through the Senior year. The instruction is partly by recitation and quiz, and partly through lectures by the instructor, who is a member of the bar. Black's American Constitutional Law is in use as a text-book. The Law Library at the State Capitol, accessible to all students, furnishes an opportunity for special investigation to those who intend following the law after graduation.

## Philosophy and Psychology

Professor Walcott

COURSE A.—*Logic*. An introductory course to philosophy. Deductive logic with emphasis upon the interpretation of propositions, the laws of thought, and the syllogism. Frequent written exercises, including exercises in the detection of fallacies. Induction and the principles of scientific investigation. Four hours a week. First term. Elective for Sophomores and Juniors.

COURSE B.—*Psychology*. An introductory course. Brief history of psychology followed by an analysis of consciousness and the determination of the laws of normal mental life. The work is planned to meet the needs of those who seek general culture, and also to introduce to their field those students who may wish to specialize in this subject. Each student is expected to perform a limited number of experiments in the laboratory for which an extra hour of credit for one term will be given. Text-book, lectures, collateral reading. Four hours a week. Second and third terms. Elective for Sophomores and Juniors who have taken Course A, or its equivalent.

COURSE C.—*Experimental Psychology*. Laboratory work in qualitative analysis of sensation complexes, the determination of sensory-motor reaction time, and the laws of association, imagination and memory. Three hours a week. (One hour

lecture, and two sessions, two periods each, individual work in the laboratory.) First and second terms. Elective for Juniors and Seniors who have taken Course B, or its equivalent.

COURSE D.—*Genetic Psychology*. This course is planned to familiarize students with the phenomena of mind, as manifested in the animal world and among men, from the point of view of evolution. Especial attention given to the growth of the child's mind with a view to determining the proper methods of education. Text-book, lectures, collateral reading. Three hours a week. Third term. Elective for Juniors and Seniors who have taken Course B or C.

COURSE E.—*History of Philosophy*. An historical and critical survey of philosophic thought from its beginnings among the Greeks down to modern times. The great systems are presented with reference to their origin, and in their relation to one another and to the culture of the age in which they took shape. Especial attention is given to ancient and modern philosophy, while mediaeval philosophy receives such treatment as time may permit. Lectures, essays, discussions, collateral reading. Three hours a week through the year. Elective for Seniors and Graduates.

COURSE F.—*Theoretical Ethics*. A development of the ethical ideal upon the basis of historical data and the more important ethical systems. The prob-

lems of the ethical life are presented and discussed, and a consistent theory of right conduct sought. Text-book, lectures, collateral reading. Three hours a week. First and second terms. Elective for Seniors and Graduates.

COURSE G.—*History of Religion*. A study of primitive, national and universal religions. The leading characteristics of the ethnic faiths are considered, and their relation to one another and to present religious life pointed out. Text-book, lectures, essays. Three hours a week. Third term. Elective for Seniors and Graduates.

COURSE H.—*Philosophy of Religion*. A critical investigation of the religious consciousness with a view to determining its contribution to knowledge, its psychological peculiarities, and ethical significance. Text-book, lectures, discussions. Three hours a week. Third term. Elective for Seniors and Graduates. (Alternates with Course G. Not offered in 1908-9.)

Note: The following courses are in prospect and may be substituted at the option of the Professor for some of the preceding courses.

COURSE I.—*German Philosophy*. A careful study of Kant's *Critique of the Pure Reason*, together with supplementary reading in his other works. Lectures upon Fichte, Schelling, Hegel and Schopenhauer. Two hours a week throughout the year. Elective for Seniors and Graduates.

COURSE J.—*British Philosophy*. The development of British thought from Bacon to Spencer. Especial attention given to Locke, Berkeley and Hume. Lectures, reading in the sources, essays. Two hours a week throughout the year. Elective for Seniors and Graduates.

COURSE K.—*Seminar*. Training in independent investigation in the sources. A different field studied each year. Weekly meetings, two hours at a time, throughout the year. Elective for Graduates and other qualified students.

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### English Bible

Three years of consecutive Bible Study are given under charge of the professors of History, Literature and Sociology, as follows:

COURSE A.—*Bible as History*. Professor Innis. This course will treat of Bible History, the Bible as History and the History of the Bible, through investigation by the students and lectures by the Professor. Once a week, elective for Sophomores. Fall Term: Bible History to Division of Kingdom of Israel. Winter Term: Bible History, including History of Jews, to Time of Christ. Spring Term: New Testament History and History of the Bible.

COURSE B.—*Biblical Literature.* Professor Cooper.

The course in Biblical Literature for the year 1908-1909 will be a study of the simpler forms of Old Testament Poetry and Prose. Fall Term: Old Testament Story and Idyl. Winter Term: Lyric Poetry of the Bible. Spring Term: Book of Job.

COURSE C.—*The Social Teachings of Jesus.* Professor Woods.

A study of the social problems of our time in the light of the teachings of Jesus regarding the family, the state, the rich and the poor, social intercourse and similar topics. The relation of the church to social progress will be considered both historically and in view of present conditions. Lectures, text, and class room discussions. One hour a week through the year. Elective for Juniors and Seniors.

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## Mathematics

Professor Drew

COURSE A. I—*Plane and Spherical Trigonometry.*

Five times a week, fall term.

II.—*University Algebra.* Functions, Theory of Limits, Derivatives, Development of Functions in Series, Convergency and Summation of Series, Computation of Logarithms, Chance, Choice, Graphic Solution of Equations and Systems. Five times a week, winter and spring terms. Especial attention is given to Derivatives and Graphic Solutions. Course A is required of all Freshmen.

COURSE B.—*Analytic Geometry.* Co-ordinates, Cartesian and polar, Directed lines and angles, Loci, The Straight Line, Transformation of co-ordinates, The Circle, Conic Sections, Tangents, Diameters, Poles and Polars, General Equation of the second Degree and Geometry of three Dimensions. Three times a week throughout the year. No credit is given unless the course is completed. Elective for those who have had Course A.

COURSE C.—*Differential and Integral Calculus.* Theory of Limits. Fundamental Conceptions, Derivatives of Simpler Functions, Higher Derivatives, Functions of several variables, Integration and its application to areas and volumes. Two hours a week throughout the year. This course is elective for those who have had A and B.

COURSE D.—*History of Mathematics.* This course is designed especially for those who intend to teach. It will include a critical study of the foundations of Secondary Mathematics. Two hours per week throughout the year. Open to all students having credit for not less than 80 hours of College work. This course will not be offered in 1908-9.

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### Astronomy

Three times a week, spring term. An outline course in Descriptive Astronomy.

## Physics

Professor Batchelder

COURSE A.—*Elementary Mechanics.* This course continues through the first term of the Sophomore year, four exercises per week. It includes the problems of the composition and resolution of forces, rectilinear and periodic motion, curvilinear and rotary motion, including projectiles, and is intended to furnish the student with such mathematical data as will enable him to solve readily the problems arising in the subsequent courses. Elective for Sophomores or Juniors.

COURSE B.—*Physics.* Second and third terms, four exercises per week. A general course, including mechanics of liquids and gases, sound, heat, electricity and magnetism, and light. Instruction is given by means of recitation and experimental lectures. Elective for Sophomores or Juniors.

COURSE C.—*Physics.* A laboratory course in Physics extending through one year, two hours' credit per week. The work is quantitative in character. In addition to the laboratory work, the student is required to read certain indicated works.

This course may be taken concurrently with Courses A and B, or may follow these courses in any subsequent year.

## Chemistry

Professor Batchelder

COURSE A.—*General Chemistry.* This course continues through the first two terms of Sophomore or Junior year, three afternoons a week. The instruction is given by lectures, recitations and laboratory work, first upon the non-metals and their compounds. After this the more commonly occurring metals and their compounds are taken up in like manner. Elective for Sophomores and Juniors.

COURSE B.—*Basic and Acid Qualitative Analysis.* This course extends through the third term of Sophomore or Junior year, three afternoons each week. It consists largely of work in the laboratory, where the student first learns the characteristic reactions for all the common metals, and then applies these tests to the qualitative determination of simple solutions. Especial attention is next given to the determination of the acids, the qualitative analysis of dry substances and to the use of the blow-pipe. The course is accompanied by a course of expository lectures, and especial attention is given to the subject of the chemical equation. Elective for those who have taken Course A.

COURSE C.—*Quantitative Analysis.* This course extends through one year. The student is first taught the use of the balance, and then proceeds to the quantitative determination of a number of simple salts. After this follows the quantitative separa-

tion and determination of more or less complicated compounds, involving gravimetric as well as volumetric methods. Elective for those who have taken Courses A and B.

COURSE D.—*Organic Chemistry*. A course in organic chemistry on the basis of Remsen's "Chemistry of the Carbon Compounds." Laboratory work, lectures and recitations. Two terms of Senior year, four afternoons a week. Elective for those who have taken Courses A and B.

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## Biology

Professor Osborn

COURSE A.—*Elementary Invertebrate Zoology*. Three times a week, for three terms. This is a course in college zoology, and can be taken with or without a previous course in high school zoology. It consists of laboratory and lecture room studies of animals from various classes of invertebrates, familiar forms being used as far as suitable, dissections, drawings, study of microscopic sections, lecture note books and quizzes are among the methods of study employed. The design is to explore the facts of animal life as a means of training correct observation, record and inference. The Frog, Amœba, Hydra, Coral Polyp, Fasciola, <sup>\*</sup>Trichina, Unio, Cambarus, and the Grasshopper are among the animals studied. Alternative with History A, for Philosophy Freshmen, and optional for all Sophomores.

COURSE B.—*General Biology*, three times a week, through the Fall term. This is an advanced course involving practice and information derived in Course A, and is not open to students who have not completed that course and shown proficiency in it. The student acquires a personal acquaintance with a large variety of animal and plant cells by examination of Amœbæ, Protococcus, Yeast, Penicillium, Spirogyra, Geranium Leaf, Paramæcium, Vorticella, Hydra and other subjects. The physiological conditions of cell life are investigated on Yeast as a subject; diet, temperature, light, moisture and poisons are examined, and the results are required to be set forth in a formal thesis which illustrates and thoroughly discusses the observations. This course includes considerable cryptogrammic botany, is preliminary to Course F, Botany, and must be taken as a prerequisite for that course. Optional for Sophomores, Juniors and Seniors who have completed Course A.

COURSE C.—*Vertebrate Morphology and Mammalian Histology* three times a week through the Winter and Spring terms. This course consists of anatomical dissections of a fish, and a number of mammalian organs, such as the heart and lungs, mouth, nose and throat, eye and brain, together with lectures on the comparative anatomy of vertebrates; and laboratory work and lecture studies in the histology of the tissues and some of the more important organs of the mammalian body, prelimi-

nary to the study of Human Physiology. Optional for Sophomores, Juniors and Seniors who have completed Courses A and B.

COURSE D.—*Mammalian Physiology*, four times a week for the Fall and Winter terms. This is a lecture and recitation course, accompanied by demonstrations, individual laboratory study in physiology is not attempted. The attempt is, however, made so far as possible to consider the experimental data of the science. The earlier courses of biology are utilized extensively in the illustration of this course. Optional for Juniors or Seniors who have had Courses A, B and C.

COURSE E.—*Advanced Biology*, twice a week through the year. This individual and practical course is open only to students who have shown special fitness for and marked progress in practical biological work and who have completed Courses A, B and C. Formal instruction is given supplemented by individual laboratory work on biological topics and problems which are suggested and the student is guided in making a somewhat independent study of them. The results are to be reported in a satisfactory illustrated article.

COURSE F.—*Botany*; this course is given in continuation of Course B which takes up cellular botany and deals with the morphology of flowering plants and the night cryptograms. It is open only to students

who have completed Courses A and B, and is offered only in alternate years. It will be given in the year of 1908-9.

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### **Geology**

**Professor Osborn**

A general course in the elements of Geological Science is given during the Spring term, four times a week, especial attention is devoted to the recognition of the commoner minerals, rocks and fossils of the vicinity of St. Paul, and the chief illustrations of dynamical geology of this region. Optional for Juniors and Seniors. Given in 1908-1909.

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### **Natural History, Museum and Laboratory**

The biological department has during the past year moved into much larger and greatly improved quarters. These include a general laboratory of nearly three times the size of the old one, a laboratory for advanced students, preparation room, office, photographic dark room and a library. There is a good working biological library with the best text-books, many monographs and separates and some of the most important biological serials. An informal biological journal club has been recently formed for the purpose of stimulating interest among the more advanced students in current biological literature and research work.

The laboratory and lecture rooms are adjoining. There are forty compound microscopes, and full supplies of dissecting instruments and individual lockers, so that every student has complete control of his own instruments. The laboratory is also supplied with the usual appliances for elementary work in morphology and physiology, and includes a myograph and induction apparatus for the study of muscle contraction by the graphic method; the department possesses in conjunction with the department of physics a fine stereopticon, and is rapidly equipping itself with lantern slides for use in the classes. There is also an extensive museum of Natural History and Geology. All important topics are illustrated directly from specimens, there are many anatomical preparations, and a large collection of histological slides for class use.

## SYNOPSIS OF COURSE OF STUDY

For conditions governing eligibility of Students to these courses the Student must consult the fuller descriptions preceding.

### FRESHMAN YEAR.

Fall Term Latin, A. 4. Greek, A. 5. German, A. 4. French, A. 4.	Eng. Lang., A. 2, B. 2. Mathematics, A. 5. History, A. 4. Biology, A. 3.
Wint. Term Latin, A. 4. Greek, A. 4. German, A. 4. French, A. 4.	Eng. Lang., A. 2, B. 2. Mathematics, A. 5. History, A. 4. Biology, A. 3.
Spr. Term Latin, B. 4. Greek, A. 5. German, A. 4. French, A. 4.	Eng. Lang., A. 2, B. 2. Mathematics, A. 5. History, A. 4. Biology, A. 3.

### SOPHOMORE YEAR.

Fall Term Latin, C. 2, D. 2. Greek, B. 5. German, A. 4. French, A. 4. Spanish, 4. Eng. Lang., C. 1, D. 1.	Oratory, 1. Eng. Lit., A. 3. History, C. 4, D. 4. Pol. Sci., B. 4, D. 3. Philosophy, B. 4. Bible, A. 1.	Mathematics, B. 3. Physics, A. 4. Chemistry, A. 4 Biology, C. 3.
Winter Term Latin, C. 2½. Greek, B. 5. German, A. 4. French, A. 4. Spanish, 4. Eng. Lang., C. 1, D. 1.	Oratory, 1. Eng. Lit., A. 3. History, C. 4, D. 4. Pol. Sci., B. 4, D. 3. Philosophy, B. 4. Bible, A. 1.	Mathematics, B. 3. Physics, B. 4. Chemistry, A. 4. Biology, C. 3.
Spring Term Latin, C. 2½. Greek, B. 5. German, A. 4. French, A. 4. Spanish, 4. Eng. Lang., C. 1, D. 1.	Oratory, 1. Eng. Lit., A. 3. History, D. 4. Pol. Sci., E. 3. Philosophy, B. 4. Bible, A. 1.	Mathematics, B. 3. Physics, B. 3. Chemistry, B. 4. Biology, C. 3.

## JUNIOR YEAR.

Fall Term	Latin, D. 2, E. 2.	Eng. Lit., B. 4, C. 4.	Bible, B. 1.
	Greek, C. 5, D. 3.	History, E. 3.	Mathematics, C. 2.
	German, B. 4, C. 2.	Education, A. 4.	Chemistry, C. 2, 4.
	French, B. 2.	Pol. Sci., F. 3.	Biology, D. 4.
	Debate, 1.	Philosophy, C.3, E. 3.	

Winter Term	Latin, D. 2, E. 2.	Eng. Lit., B. 4, C. 4.	Bible, B. 1.
	Greek, C. 5, D. 3.	History, E. 3, F. 2.	Mathematics, C. 2.
	German, B. 4, C. 3.	Education, A. 4, B. 4.	Chemistry, C. 2, 4.
	French, B. 2.	Pol. Sci., G. 3.	Biology, D. 4.
	Debate, 1.	Philosophy, C.3, E. 3.	

Spring Term	Latin, D. 2, F. 2.	Eng. Lit., B. 4, C. 4.	Bible, B. 1.
	Greek, C. 3, D. 3.	History, F. 3.	Mathematics, C. 2.
	German, B. 4, C. 3.	Education, B. 4.	Astronomy, 4.
	French, B. 2.	Pol. Sci., E. 3.	Chemistry, C. 2, 4.
	Debate, 1.	Philosophy, D.3, E.3.	Biology, F. 4.

## SENIOR YEAR.

Fall Term	Latin, G. 2, H. 2.	History, G. 3.	Bible, C. 1.
	Greek, E. 2.	Education, C.3.	Physics, C. 2.
	German, D.2, E.2, F.1.	Pol. Sci., I. 3.	Biology, E. 2.
	Eng. Lang., E.2, F.2.	Law, 2.	
	Eng. Lit., D.4, E.4.	Philosophy, F. 3.	

Winter Term	Latin, G. 2, H. 2.	History, G. 3, H.3.	Bible, C. 1.
	German, D.2, E.2, F.1.	Education, C.3, D.3.	Physics, C. 2.
	French.	Pol. Sci., J. 3.	Chemistry, D. 4.
	Eng. Lang., E.2, F.2.	Law, 2.	Biology, E2.
	Eng. Lit., D.4, E.4.	Philosophy, F. 3.	

Spr. Term	Latin, G. 2, H. 2.	Education, D.3.	Physics, C. 2.
	German, D.2, E.2, F.1.	Pol. Sci., K.3, L.3.	Chemistry, D.4.
	Eng. Lang., E.2, F.2.	Law, 2.	Biology, E. 2.
	Eng. Lit., D.4, E.4.	Philosophy, G.8.	Geology, 4.
	History, H.3,	Bible, C.1.	

## THE COURSES OF INSTRUCTION BY DEPARTMENTS.

Department	Fall Term	Winter Term	Spring Term	No. of exercises per week	Classes Eligible
Latin.....	A. Livy.	A. Livy.	B. Horace, Odes and Satires.	4	Fr.
	C. Terence.	C. Cicero Phil. Writings.	C. Horace, Epistles.	2½	So. Jr. Sr.
	D. Plautus.	D. Juvenal.	D. Quintilian or Tacitus.	2	Jr. Sr.
	E. Pliny.	E. Pliny.	F. Lat. Hymns	2	Jr. Sr.
	G. Methods of teaching preparatory latin.....			2	Jr. Sr.
	H. Supplementary course.....			2	Jr. Sr.
Greek.....	A. Grammar.	A. Grammar.	A. Xenophon, Anabasis, Bk. I.	5	Fr. So. Jr. Sr.
	B. Anabasis, Books II-IV.		C. Homer, Iliad	5	So. Jr. Sr.
	C. Lysias.	C. Xenophon, Memorabil.	C. Homer, Odyssey.	5	Jr. Sr.
	D. Plato, Apol.	D. Sophocles, Antigone.	D. Dem'sthenes De Corona.	3	Jr. Sr.
	E. New Testament.			2	Jr. Sr.
German.....	A. Beginning German.....			4	Fr. So. Jr. Sr.
	B. Intermediate German.....			4	Fr. So. Jr. Sr.
	C. The Novel and Short Story.....			3	Fr. So. Jr. Sr.
	D. Life and works of Goethe and Schiller.....			2	Jr. Sr.
	E. Modern German Drama.....			2	Jr. Sr.
	F. History of German Literature.....			1	Jr. Sr.
French.....	A. Beginning French.....			4	So. Jr. Sr.
	B. General course in French Literature.....			2	Jr. Sr.

## COURSES OF INSTRUCTION BY DEPARTMENTS—Continued.

Department	Fall Term	Winter Term	Spring Term	No. of exercises per week	Classes Eligible
Spanish.....	A. Elementary Spanish.....			4	So. Jr. Sr.
English Language.....	A. Rhetoric.....			2	Fr.
	B. American Poetry.....			2	Fr.
	C. Short Story .....			1	So. Jr.
	D. Essay.....			1	So. Jr.
	E. Old English.....			2	So. Jr. Sr.
	F. Middle English.....			2	So. Jr. Sr.
History and Debate.....	A. Debate.....	B. Orations and Speeches.....		1	So. Jr.
				1	So. Jr.
English Literature....	A. Outline and rapid reading course.....			3	So. Jr. Sr.
	B. Burns.           B. Coleridge,     B. Byron, Wordsworth.       Shelley, Keats. Scott.			4	Jr. Sr.
	C. Shakespeare.....			4	Jr. Sr.
	D. Victorian Prose Masters.....			4	Sr.
	E. Victorian Poetry.....			4	Sr.
History.....	A. English History, first half year, B. Amer. History, 2d half year.			4	Fr. So.
	C. Grecian History, first half year, D. Roman History, 2d half year.			4	So.
	E. Mediaeval History, first half year, F. The Renaissance and Reformation, 2d half year.			3	Jr. Sr.
	G. European History, first half year, H. European Hist., 2d half year.			3	Jr. Sr.

## COURSES OF INSTRUCTION BY DEPARTMENTS—Continued.

Department	Fall Term	Winter Term	Spring Term	No. of exercises per week	Classes Eligible
Education.....	A. History of Education, first half year. B. Psychology and Education, 2d half year.			4 4	Jr. Sr. Jr. Sr.
	C. School management, first half year. D. Practical Pedagogy, 2d half year.			3 3	Jr. Sr. Jr. Sr.
Political and Social Science..	A. Government in the U. S. D. Economics.	B. Comparative Politics. D. Economics.	C. International Law. E. Money and Banking.	4 4 3	So. Jr. Sr. So. Jr. Sr. So. Jr. Sr.
	F. Introduct. to Sociology. I. Railway Tr'nsportat'n	G. Social Psychology. J. Socialism.	H. Practical Sociology. K. Trusts and Monopolies. L. Municipal Problems.	3 3 3	Jr. Sr. Jr. Sr. Jr. Sr.
Law.....	American and Constitutional law.....			2	Sr.
Philosophy Psychology...	A. Logic. C. Advanced Psychology..... E. History of Philosophy..... F. Ethics.....	B. Psychology..... D. Genetic Psychology. G. History of Religion.		4 3 3 3	So. Jr. Sr. Jr. Sr. Jr. Sr. Sr.
English Bible...	A. Bible as History..... B. Biblical Literature..... C. Social Teachings of Jesus.....			1 1 1	So. Jr. Sr. Jr. Sr. Sr.

## COURSES OF INSTRUCTION BY DEPARTMENTS—Continued.

Department	Fall Term	Winter Term	Spring Term	No. of exercises per week	Classes Eligible		
<b>Mathematics....</b>	A. Trigonometry, Plane and Spherical.	A. University Algebra.		5	Fr.		
	B. Analytic Geometry.	B. Diff. Calculus.	B. Int. Calculus.		So., Jr., Sr.		
<b>Mathematics ...</b>	C. Diff. Calc.	C. Anal. Geom.	C. Solid Analytics.	2	Jr., Sr.		
<b>Astronomy.....</b>			Descriptive Astronomy.	3	So., Jr., Sr.		
<b>Physics.....</b>	A. Mechanics.	B. College Physics.		4	So., Jr., Sr.		
	C. Quantitative Laboratory Physics.....						
				2	So., Jr., Sr.		
<b>Chemistry.....</b>	A. General Chemistry.....		B. Qualitative Analysis.	4	So., Jr., Sr.		
	C. Quantitative Analysis.....			2 or 4	Jr., Sr.		
	D. Organic Chemistry.....			4	Jr., Sr.		
<b>Biology.....</b>	A. Elementary College Zoology .....			3	Fr., So., Jr., Sr.		
	B. General Biology.	C. Vertebrate Anatomy and Histology.		3	So., Jr., Sr.		
	D. Human Physiology.....			4	Jr., Sr.		
	F. Botany.			4	So., Jr., Sr.		
	E. Advanced Biology.....			2	Jr., Sr.		
<b>Geology .....</b>		A. Elements.		4	So., Jr., Sr.		

## PREPARATORY DEPARTMENT

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The classes of the Preparatory Department are entirely distinct from those of the College Department, but all classes assemble together for chapel exercises, and its members have many of the privileges and advantages of students in the College of Liberal Arts. Students entering this department are required to have completed Practical Arithmetic, English Grammar and United States History. Students can enter the higher classes of the department by presenting a satisfactory certificate, or upon examination. The Roman method of pronunciation is used in the Latin classes.

## COURSES OF INSTRUCTION

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### Preparatory Department

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#### FIRST YEAR

##### Fall Term

ALGEBRA.—5

LATIN GRAMMAR.—5

ENGLISH.—5.

##### Winter Term

ALGEBRA.—5.

LATIN GRAMMAR.—5

ENGLISH.—5.

##### Spring Term

ALGEBRA.—5.

LATIN GRAMMAR.—5

ENGLISH.—5.

#### SECOND YEAR

##### Fall Term

CAESAR.—5.

PLANE GEOMETRY.—5.

PHYSIOLOGY.—5.

##### Winter Term

CAESAR.—5.

PLANE GEOMETRY.—5.

PHYSIOLOGY ONE-HALF TERM.—5.

BOTANY ONE-HALF TERM.—5.

##### Spring Term

CAESAR.—5.

PLANE GEOMETRY.—5.

BOTANY.—5.

**THIRD YEAR****Fall Term**

GENERAL HISTORY.—4.

CICERO.—4.

GREEK OR CHEMISTRY.—4.

ENGLISH.—4.

**Winter Term**

GENERAL HISTORY.—4.

CICERO.—4.

GREEK OR CHEMISTRY.—4.

ENGLISH.—4.

**Spring Term**

GENERAL HISTORY.—4.

CICERO.—4.

GREEK OR CHEMISTRY.—4.

ENGLISH.—4.

**FOURTH YEAR****Fall Term**

VIRGIL.—4.

GREEK OR PHYSICS.—4.

SOLID GEOMETRY AND ALGEBRA.—4.

LITERATURE.—4.

**Winter Term**

VIRGIL.—4.

GREEK OR PHYSICS.—4.

SOLID GEOMETRY AND ALGEBRA.—4.

LITERATURE.—4.

**Spring Term**

VIRGIL.—4.

GREEK OR PHYSICS.—4.

SOLID GEOMETRY AND ALGEBRA.—4.

LITERATURE.—4.

Under English is included the presentation of Compositions and Declamations.

Latin Prose Composition throughout the course.

## PREPARATORY DEPARTMENT

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### STUDENTS

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#### FOURTH PREPARATORY

CALDWELL, WM. A.,	Thief River Falls
CONSTANTINE, H. VICTOR,	Hamline
GULLORD, WM. EARL,	Iona
HIGGINS, LAWRENCE,	Thief River Falls
HOLMES, CHAS. K.,	Hamline
LUNDSTEN, FRANCES,	Waconia
McQUADE, SAM,	Tower
POSTON, FRANK,	Thief River Falls
POSTON, SIDONA,	Thief River Falls
RODLUN, EDWARD V.,	Willmar
WAY, F. EULA,	Claremont
WELLS, MARJORIE,	Hamline
WOOD, CLARENCE H.,	Amenia, N. Dak.

#### THIRD PREPARATORY

ACKERMAN, GLADYS,	Hamline
BERG, NELS A.,	Sebeka
BROWN, BEN A.,	Hanley Falls
CRAVEN, EARL E.,	Hamline
CRAVEN, LAWRENCE L.,	Hamline
ELLERY, LOREN,	Hamline
HANNA, ANNA B.,	Hamline
HELGESON, ALICE M.,	Merriam Park
HELLIWELL, GEORGE F.,	Milwaukee, Wis.
HILLMAN, ALICE M.,	Merriam Park
LOCKER, MARY M.,	Hamline
MALLERY, ALFRED L.,	Lakeville
MOSSMAN, LOU M.,	Grey Eagle
MULDER, WM. A.,	Le Mars, Iowa

## HAMLINE UNIVERSITY.

PLAYFAIR, WM. LYON,	Hamline
POSTON, BERTHA M.,	Thief River Falls
PRESTIGE, FRANKLIN L.,	Rockford
QUARNSTROM, EUGENE G.,	St. Charles, S. Dak.
RICHARDSON, CHAS. R.,	Grantsburg, Wis.
ROSSMAN, EARL C.,	Park Rapids
SCHUTT, CLIFFORD H.,	St. Paul
SMITH, C. PAUL,	Hamline
WALLACE, REGINALD S.,	Drayton, N. Dak.
WALTZ, MANFORD,	St. Paul
WHITED, CIRO N.,	Minneapolis

## SECOND PREPARATORY

ADAMS, CHAS. F.,	Hamline
BEAULIEU, CLARENCE,	Hamline
BICKFORD, CHESTER,	Excelsior
CONE, NORMA,	St. Paul
COOPER, RICHARD W.,	Hamline
CORNELIUSSEN, CLARA,	Hamline
CRAVEN, OLIVE,	Hamline
DREW, RALPH S.,	Hamline
HEFFRON, CLARA E.,	Hamline
HIGGINS, FLOYD,	Hamline
LINDSEY, LYNN G.,	Minneapolis
MCCREA, ROSCOE A.,	Drayton, N. Dak.
MELLA, HUGO,	St. Paul
MOLLINS, JOHN H.,	Halstad
MORRISON, MABELLE G.,	Hamline
NANKIWELL, JAMES,	Becker
PADDEN, ELSIE,	Hamline
PAGE, FREDERICK I.,	Hamline
PARKER, REED,	Minneapolis
STERN, SIMON,	St. Paul
VOORHEES, E. N.,	Westport
WATEROUS, M. IRENE,	St. Paul
WEISENBERGER, MYRON E.,	

## FIRST PREPARATORY.

ANDERSON, RUTH E.,	Hamline
BERG, JULIA,	Hamline
CONNOR, MADALYNN,	Hamline
DIEFFENBAUGH, NELLIE,	Swan River, Man., Canada
DOOLEY, WINNIFRED,	St. Anthony Park
GILBERTSON, GEORGE H.,	Minneota
GILLE, MADELL,	St. Paul
GRANT, ERNEST V.,	Minneapolis
HAGE, PEDER M.,	Rembrandt, Iowa
HUBBELL, FLORENCE,	St. Paul
JOHNSON, MAYME,	Hamline
LYNCH, WM. B.,	Winona
McCAULEY, WILBUR H.,	Joliette, N. Dak.
NELSON, BLANCHE,	Eddon
NORBRYHN, PAUL M.,	Moorhead
PAGE, LILLIE,	Hamline
ROBINSON, GREGORY,	Hamline
ROMSDAHL, OLGA,	Fargo, N. Dak.
SCHAFER, HAZEL,	Hamline
SCHAFER, RUTH,	Hamline
STERN, JACOB,	St. Paul
STRUNK, LUCILE,	Hamline
VESSEY, CASSIUS B.,	Jamestown, N. Dak.
WALDEN, CARL O.,	Minneapolis
WALKER, RAYMOND B.,	Drayton, N. Dak.
WALTZ, WELCOME,	St. Paul
WELCH, ERNEST,	Minneapolis
WHEELER, HILFRED B.,	Myron
WILLIAMS, EDSON A.,	Minneapolis
WILLIAMS, WALTER G.,	Sebeka

## DEPARTMENT OF ORATORY

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The work of the department comprehends all that relates to the study and teaching of the fine art of public reading in its broadest sense—the understanding of the relation of art to life—the study of the interpretative forms of literature and the careful training of all the faculties and agents necessary to the artistic translation of these forms back to life.

### *A Map of the Idea:*

*The First Factor—The Man.* The relation of the student to himself as an instrument.

*The Second Factor—The Message.* The relation of the student to his truth or message.

*The Third Factor—The Manner.* The relation of the student to his art and to his audience.

*Gesture*—The object of gesture to awaken a consciousness of the mind's mastery over the body. Harmonic gymnastic, Choice, Economy, Suggestion.

*Voice—The Scientific Training of the Speaking Voice.* The object of vocal training to free the instrument and render it obedient and responsive to thought and emotion. Exercises for breath control, variation of pitch, pure and musical tones, flexibility of inflection, clear enunciation and proportion, in emphasis.

The dominant idea is Practice. The Processes of instruction, founded upon recognized principles of art and life, are revelatory and self-discovering, rather than arbitrary and academic. The motto holds, To do is to know.

## DEPARTMENT OF ORATORY

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### STUDENTS

ADAMS, CHAS.,	Hamline
ANDERSON, CORA,	Redwood Falls
BERRY, ISABEL,	Minneapolis
BLISS, PAUL S.,	Hamline
BLOOD, CLAUDE L.,	Downing, Wis.
BOTTUM, NELLIE,	Faulkton, S. Dak.
CATLIN, LEONA,	Fairmont
CATLIN, PEARL,	Fairmont
CRANDELL, ANNA,	Minneapolis
ECKENBECK, RAY N.,	Appleton
EMERSON, ETHEL,	Montevideo
EPTON, EFFIE,	Rolla, N. Dak.
HAGE, PEDER,	Rembrandt, Iowa
HARDY, FAITH,	Morris
HESKETH, CLARA,	Rolla, N. Dak.
HESS, MARY,	Sleepy Eye
HICKMAN, ETHEL C.,	Bath, S. Dak.
HICKMAN, EUGENE C.,	Bath, S. Dak.
KACHEL, EDWIN,	St. Paul
KOCH, SUMNER,	Clear Lake
LEE, GERTRUDE,	Rush City
McKELVEY, ROBERT J.,	Hamline
NELSON, IDA Y.,	Dawson
OLIVER, GUY,	Hamline
PICKEN, MAE,	Hamline
ROAN, ANNA,	Ellsworth
ROBINSON, WM. Z.,	Pine Island
SCHRAP, EVA,	Dodge Center
SORENSEN, EMMA,	Monticello
SQUIRE, J. P.,	Aberdeen, S. Dak.
SQUIRE, KA,	Aberdeen, S. Dak.
SYLVESTER, META,	Plainview
THUNE, ZELMA,	Redwood Falls
TIDD, FRANCES,	Austin
WHEELER, MYRL,	St. Paul
WRIGHT, FLOYD,	Cumberland, Wis.

## DEPARTMENT OF MUSIC

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The Department of Music furnishes instruction in piano playing, singing, harmony.

The instruction in music, both instrumental and vocal, is by private lesson and not in classes. This gives better opportunity to meet the individual needs of pupils. Lessons last half an hour and cost at the rate of \$1.00 each, payable per term in advance. To secure the best results students should take two lessons each week.

There is opportunity for chorus singing in connection with the vocal music class.

The nearness of the University to the two cities enables students to hear frequently superior music and musical lectures, an important supplement to the teaching of the Music Department. The course of music is so arranged with reference to the regular college course that both can be taken simultaneously without detriment.

## DEPARTMENT OF MUSIC

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### STUDENTS

BEDFORD, ALIDA,	Rushmore
BROWN, BARBARA,	La Crosse, Wis.
CATLIN, LEONA,	Fairmont
CORNELIUSSEN, BERTHA,	Hamline
EVANS, MARY,	Montevideo
HOLMES, CHAS. K.,	Hamline
HOLMES, ROY J.,	Hamline
PAIN, OLLIVE D.,	Glencoe
RUSSELL, BLANCHE,	Sandstone
SYLVESTER, META,	Plainview
WARREN, WINNIE,	Lake Wilson

## GENERAL INFORMATION

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### LOCATION

The College of Liberal Arts is admirably located. While its site is within the limits of the city of Saint Paul, and it is thus directly accessible from all parts of the State by a dozen or more different lines of railroad, it is at the same time situated in a quiet rural suburb midway between the Twin Cities. The community in which the Collegiate Department is placed has grown up with the college as its center, so that very many of its numerous pleasant homes are socially open to the students, and many families have moved to it to give their children the advantage of the college course. It has a beautiful new church, the life of which is intimately related to the student life in many ways. The students have all the advantages of a residence in a small town at a distance from the noise and disturbance of great metropolitan cities. And yet the location is extremely convenient with regard to both of the Twin Cities; electric car service at frequent intervals places all parts of both Saint Paul and Minneapolis within easy reach. The advantages growing out of this are very great, without at all detracting from the quiet favorable to student life; it enables the students who are to be among the future people of affairs in Minnesota to come in practical touch with all the highest and most recent aspects of modern life.

All the best entertainments, the best lectures, the best music, the greatest political speakers, and national heroes visit one or both of these cities in their tours of the country. During the years of his life the student will never have more or better chances to see and hear the best things than while he is at the same time pursuing his academic studies in the college halls. The cities, too, offer permanent advantages of all sorts, whether it be in their beautiful public buildings, among which is to be mentioned our new State Capitol, passed in every trip on the street car to Saint Paul, or in public libraries, or in the sessions of the law courts, or of the State Legislature, or in their great industrial enterprises. All of these advantages the student imbibes incidentally; while they in no way detract from his life as a student, they materially aid in putting him in touch with modern life. The proximity of the cities also affords many opportunities for self-support, by employment that can be obtained outside of college hours. Such employment also yields valuable experience with commercial life and the practical life of affairs, which is more and more felt to be of the highest value to the college-bred man or woman.

### **LIBRARY**

Through the generous gift of Mr. Andrew Carnegie of \$30,000 and the donation of an equal sum of money by friends of the University for a maintenance fund a beautiful new library building has been added to the material equipment of the institution during the

past year. It is a strictly fireproof building in the English school architecture style, of light brown brick and red tile roof a very great ornament to the college campus and improvement to the suburb of Hamline. It is built throughout in the most perfect manner and lighted with electricity. There is a large central reading room besides stack rooms. The entire building is devoted exclusively to library purposes.

The collections of the library consist of approximately 10,000 volumes and in addition many pamphlets and unbound periodicals. It is also provided with the best periodicals and pamphlets dealing with popular subjects and a number of serials devoted to the interests of special departments are taken and considerable files have already accumulated.

The library is free to all students and they are aided in using it by the librarian and members of the faculty. It is much used in connection with some of the departments for supplementary reading and for the investigation of topics set as a special phase of class study.

The library is open daily from 8 a. m. to 5 p. m., and three evenings each week.

### PHYSICAL CULTURE

Physical culture at Hamline University is under the supervision of a resident Physical Director, who is a member of the Faculty. The physical needs of each student are carefully considered and the special form of exercise most desirable recommended. Regular

training is maintained in the Gymnasium throughout the winter months, which, together with the organized athletics of the University, secures the largest possible opportunity to each student. Hamline is a member of the State Athletic League, and has established athletic relations with several colleges in other states, so that great interest is given to the out-door college sports of the fall and spring.

#### NORTON FIELD

Through the generosity of the Hon. Matthew Norton, president of the Board of Trustees, an admirable athletic field, with all modern improvements was added in 1906 to the Physical Culture equipment of the Institution. It is located near the University campus. It is provided with all necessary facilities for baseball, football and track athletics and includes a grandstand capable of seating seven hundred spectators, and containing dressing-rooms and storerooms for the use of students.

There are tennis courts and a skating rink on the campus.

A temporary gymnasium at present occupies the basement of Science Hall. It is equipped with running track and the necessary apparatus for light and heavy gymnastics. It is also well supplied with the latest improvements in shower-baths, closets and lockers.

Strong baseball, football and field and track teams are maintained at Hamline by the students and the interests of college athletics are given their share of

attention. Plans are being made for the erection of a new gymnasium and part of the necessary funds for the construction have already been secured.

The general supervision of athletics in the University is committed to an advisory board composed of students and a member of the College Faculty.

### LITERARY SOCIETIES

There are ten Literary Societies in connection with the College of Liberal Arts. The Philomathean, Amphichyon, Phi Alpha and Euphronian are for college men; Browning, Athenean, Alpha Phi and Euterpiian for ladies; the Zaraphathian for young men, and the Ingelow for young ladies of the prepertory department. Students are urged to take advantage of the excellent opportunities afforded by these societies and frequent public literary exercises add their stimulus to growth in thought and experience.

Debating is made a prominent feature of the programmes of the weekly meetings of the Literary Societies. Weekly society debates develop latent talent in this field and supply materials for teams who contest in inter-collegiate debates.

The Hamline Oratorical Society is a branch of the State Oratorical Association. Home contests are held for the selection of competitors in the contest with other colleges of the state. There is also a Ladies' Oratorical Association whose members appear in public contests.

**RELIGIOUS SERVICES**

A morning prayer service is held in the College Chapel on every school day of the college year at which the faculty and students meet for worship. Students are always welcome at the Sunday services at the Hamline M. E. Church and participate actively in its Sunday school and Epworth League meetings.

Voluntary meetings of the students, collectively or by classes, are held frequently under the direction of the students themselves or with some member of the Faculty as leader. A revival spirit is constantly present, growth in Christian life and work is successfully cultivated, and the young people are prepared for the wider field in church work that lies before them. The experience of the University shows that intellectual and religious culture ought not to be separated, but that both reach their highest development together. Branches of both the Young Men's and the Young Woman's Christian Association are organized and doing very effective service. As a result of all these influences Hamline is annually sending out men and women for splendid service in the mission fields of foreign lands as well as in the churches, schools and homes of Minnesota and other states.

**GOHEEN HALL**

The ladies' dormitory has been named Goheen Hall in honor of Mrs. Anna Harrison Goheen who has the distinction of being the most generous patroness of Hamline University. It is capable of accommodating about seventy young women. The rooms are heated

by steam and lighted by gas. They are also furnished with bedstead, mattress, table, chairs, bureau, wash-stand, mirror, bowl and pitcher. All other articles students will provide for themselves. Occupants of the rooms will be expected to keep them in order, and to make good all breakage and injury to property beyond ordinary wear. This building was extensively renovated a year ago and its comfort greatly increased by a beautifully furnished and decorated Rest-room, a gift of Mrs. Joseph M. Hackney. The charge for room rent is one dollar and a quarter per week.

A payment of \$5 in advance will be required of each person engaging a room in Goheen Hall which amount will be deducted from the first payment in the Fall or will be refunded in case the room is surrendered not later than August 15th.

### BOARD

The Dining Hall is in the basement of the Goheen Hall. It is regarded by the Faculty as desirable that young ladies from a distance should board and room in Goheen Hall, and they will find it in many ways to their advantage to do so.

In the event, however, of young ladies wishing to board in clubs or private families, application for permission to do so must be made by their parents in writing to the President or Dean, and each application so made will be considered on its merits.

Arrangements for boarding in Goheen Hall must be made by the year.

Gentlemen will be permitted to select their own boarding places with private families or in clubs, subject, however, to the approval of the Faculty; and

when once selected no change will be permitted during the term without the consent of the President obtained before removal.

The cost of board at Goheen Hall is at present as follows:

Board, per week ..... \$3.00

For guests a charge will be made of 25 cents per meal.

The expenses of board, fuel, washing and light in private families is \$4.00 to \$4.50 per week.

#### NECESSARY EXPENSES

Tuition, College Classes, Fall term.....	\$13.00
Tuition, College Classes, Winter and Spring terms, each..	12.00
Tuition, Preparatory Classes, Fall term.....	11.00
Tuition, Preparatory Classes, Winter and Spring terms, each	10.00
Incidentals, per term, all classes.....	2.00
Physical Laboratory fee, per term, Course C.....	2.00
Chemical Laboratory fee, per term, Courses A, B, C & D.	3.00
Botany or Geology fee, per term.....	1.00
Biological Laboratory fee, per term, Courses A, B, C, E..	2.00
Apparatus broken by the student will be charged to his account.	
Oratory, for term, (10 lessons), private, $\frac{3}{4}$ hour.....	10.00
Oratory, for term, (10 lessons), private $\frac{1}{2}$ hour.....	7.00
Oratory, for term, (10 lessons), class of 2, $\frac{3}{4}$ hour, each.	5.00
Oratory, for term, (10 lessons), class of 4, $\frac{3}{4}$ hour, each.	3.00
Music, piano or vocal, payable by the term, per lesson of one-half hour .....	1.00
Vocal Music, per term, in classes.....	2.00
Use of piano, one hour daily, per term.....	2.50
Text-books, per year.....	\$10.00 to 15.00
	Preparatory. College.

#### ESTIMATED YEARLY EXPENSES

Tuition and incidentals.....	\$37.00	\$43.00
Room rent, fuel and light.....	45.00	45.00
Board, thirty-six weeks.....	108.00	108.00
Washing and ironing, 12 pieces per week.....	18.00	18.00
Books and stationery, about.....	12.00	12.00
Minimum .....	220.00	\$226.00

The yearly expenses of those boarding in private families will not vary materially from those of students boarding in the institution. Persons desiring extra accommodations will, of course, have to pay higher rates. Music and oratory being extras, are not included in the above estimates.

The attention of parents and students is called to the following requirements, which will be strictly enforced:

Tuition, incidentals, music, and oratory lessons and piano rent are payable by the term in advance.

Board and room rent are payable monthly in advance.

No deduction will be made in tuition and incidentals for an absence of less than half a term, and rent will be charged until the rooms are formally vacated, whether continuously occupied or not.

If a pupil be suspended or expelled, or leaves without the consent of the President, no tuition, incidentals or room rent will be refunded. In all other cases they will be equitably refunded when the absence equals half a term.

Unexpended balances paid in advance for board and washing will be refunded in all cases except when a pupil leaves without giving notice previous to his departure.

A charge of twenty-five cents will be made for each change in registration made at the request of a student after he has once been assigned to classes.

## **COLLEGE OF MEDICINE**

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The College of Medicine of Hamline University, has amalgamated with the Medical Department of the University of Minnesota.

## SUMMARY OF STUDENTS

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### COLLEGE OF LIBERAL ARTS.

Post Graduate.....	7
Senior Class.....	34
Junior Class.....	58
Sophomore Class.....	59
Freshman Class.....	104
College Specials.....	80
	342

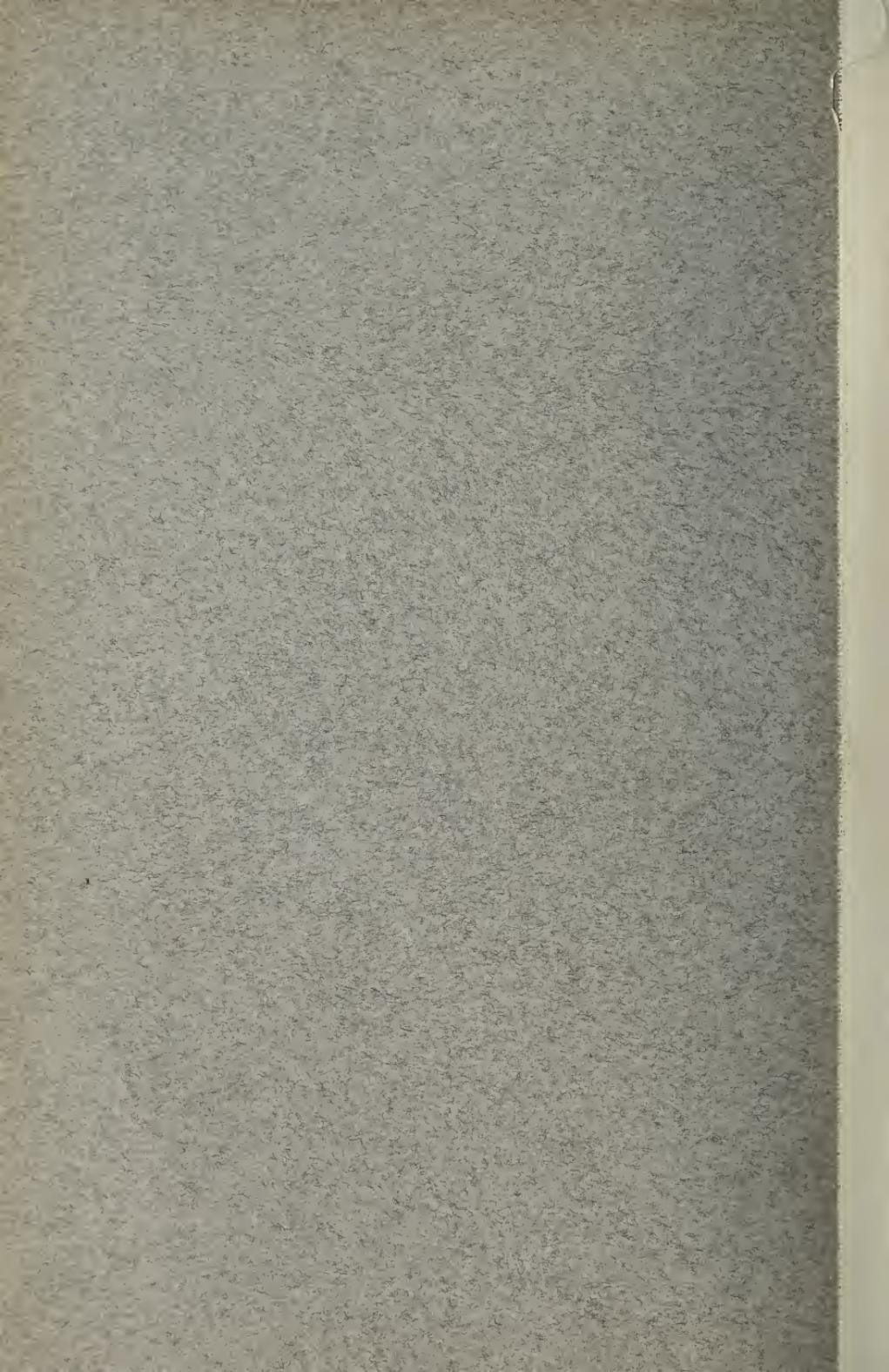
### PREPARATORY DEPARTMENT.

Fourth Year.....	13
Third Year.....	25
Second Year.....	23
First Year.....	30
Department of Music.....	11
Department of Oratory.....	36
	480
Counted twice.....	44
Total .....	436











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